

City and County of the City of Exeter.



ANNUAL REPORT

FOR 1905,

OF THE

VITAL STATISTICS,

SANITARY WORK, &c.,

BY

EDWARD A. BRASH, L.R.C.P., LOND.,

Medical Officer of Health.

EXETER:

BURRIDGE & CANNICOTT, Printers, Musgrave Alley, High Street,

1906.

CITY & COUNTY OF THE CITY OF EXETER.

SANITARY COMMITTEE.

Mayor :

COUNCILLOR T. LINSCOTT, J.P.

Chairman :

ALDERMAN H. GADD, J.P.

Deputy-Chairman :

ALDERMAN J. PETERS.

ALDERMAN A. McCREA. COUNCILLOR P. KELLAND.

„ J. G. COMMINS. „ A. B. MERRICK.

COUNCILLOR R. M. CHALLICE. „ H. MOCK.

„ C. COLE. „ T. C. PRING.

„ A. W. DEARMAN. „ A. H. ROPER.

Town Clerk :—H. LLOYD PARRY, Esqr.

STAFF OF THE PUBLIC HEALTH DEPARTMENT:

Medical Officer of Health and Medical Officer of Sanatorium—

E. A. BRASH, L.R.C.P., Lond., etc.

Assistant Medical Officers of Health and Medical Officers of Sanatorium—

G. T. CLAPP, M.B., C. J. VLIELAND, M.D.

Matron of Isolation Hospital—

MISS MARION JONES.

Chief Inspector of Nuisances and Inspector under the Foods & Drugs Acts—

WILLIAM J. WREFORD, Cert. San. Inst.

Inspectors :—

R. B. PEARSE, Cert. San. Inst., S. E. FULFORD,

Clerk —A. E. TROUNSON.

*House Disinfecto*r—W. RODBOURN. *Hospital Porter*—F. ADDICOTT.

Health Visitor—MRS. J. MANLEY.

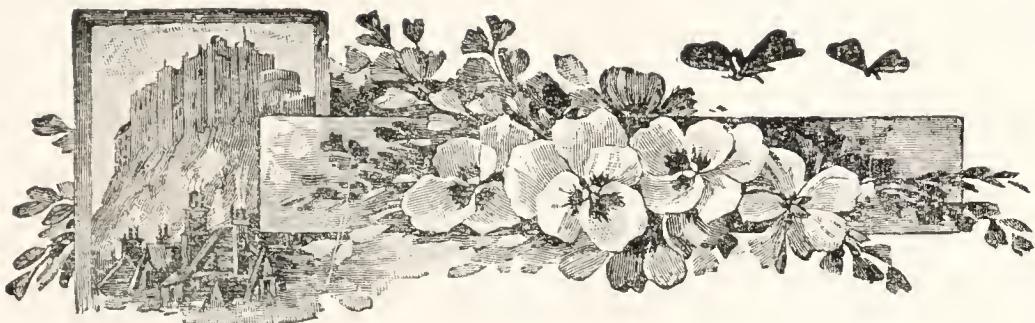
I have the honour to present to the
Right Worshipful the Mayor, Aldermen,
and Council of the City of Exeter, my
Annual Report for the Year 1905.

EDWARD A. BRASH.

February, 1906.

CONTENTS.

	PAGES.
Sanitary Committee and Staff of the Public Health Department	2
General Observations	5 to 8
Vital Statistics	8 to 17
Disease Incidents (Notifiable Diseases)	18 to 23
Disease Incidents (Non-Notifiable Diseases)	24 to 28
Summary of Infectious Diseases, and Action taken	28 to 29
List of Articles Disinfected	30
Sanatorium Report (by Medical Officers in Charge)	31 to 38
Sewage of Exeter	38 to 39
Water Supply of Exeter	39
Public Analyst's Report	40 to 48
Common Lodging Houses, Slaughter Houses, Bakehouses	49
Dairies, Milkshops, Sale of Food and Drugs Acts, Midwives' Act, Factory and Workshops Acts	49 to 57
Legal Proceedings	58
Meteorological Readings	59 to 60
Summary of Tables	61
TABLE I.—Vital Statistics of whole District during 1905 and Previous Years	62
TABLE II.—Vital Statistics of Separate Localities in 1905 and Previous Years	63 to 64
TABLE IIIA.—Cases of Infectious Diseases Notified during the Year	65
TABLE IIIB.—Monthly Return of Cases Notified to Medical Officer of Health	66
TABLE IV.—Causes of, and Ages at, Death during the Year	67
TABLE V.—Showing the Number of Deaths from all Causes	68
TABLE VI.—Showing the Ages of Deaths from all Causes	69
TABLE VII.—Being a Table of Deaths from all Causes, set out under their Different Diseases and Ages	70 to 74
SANITARY INSPECTOR'S REPORT	
Public Abattoir, Slaughter-Houses, Drain Testing, New Buildings, Unsound Meat, Vegetables, &c.; Bake- houses, Dairies, Cowsheds and Milkshops Order, Common Lodging Houses, Factory and Workshops Act	75 to 88
Housing of the Working Classes Act	
Reports of Sanitary Work completed in Year 1905	
CHART 1.—Showing Weekly Notifications of Scarlet Fever, Typhoid Fever, and Diphtheria	At the End
CHART 2.—Showing Weekly Mortality from the above Diseases	,,
SPOT MAP of the City of Exeter, indicating the Numbers and Locality of each Death from the principal Zymotic Diseases	,,



Annual Report.

GENERAL OBSERVATIONS.

In presenting this, my Annual Report dealing with the work carried out by the Health Department for the year 1905, I have for the purpose of comparison carefully followed the lines of previous Reports and the requirements of the Local Government Board.

General Observations.

The population of Exeter at the census of 1901 was returned as 47,185, divided as follows:—Males 21,401, females 25,784, showing an increase since the census of 1891 of 1,419. The number of houses then was returned as 10,322, out of which 356 were void, and there were 47 houses in course of erection. Since that date 396 houses have been erected, making a total of 10,718. Taking this number of houses and the estimated population of Exeter at 47,800, it gives

about 4·4 persons per house, while in the census of 1891 there were five persons per house.

The surface of Exeter varies from 25·9 feet above Ordnance Datum on the Quay, to 136·5 feet at the Guildhall, 225·9 at Elmside, and 433·5 on the top of Pennsylvania. The fall from the City towards the river is very rapid.

GEOLOGICAL FORMATION.

The greater part of the ancient City and its immediate surroundings is built upon the new red sandstone—that to the north is on the carboniferous shale, and a portion of St. Leonard's stands on gravel, and the eastern side on the clay. The annexed parts of S. Thomas' Parish are chiefly built on the old bed of the Exe, and the sub-soil is gravel.

The area of the City is 3,168 acres. The density of population for the City and County of the City is 15 per acre, and, reckoning the portion of the City built upon at 950 acres, we have a density of population of 50 per acre.

The following Table, taken from the Census Return for Devon, shows the population and number of houses in each

Ward in the City, and also the number of houses, &c., occupied as tenements:—

TABLE

Showing Houses and Population of each Ward.

WARDS.	HOUSES.					POPULATION.		
	Inhabited.	Uninhabited. In occupation.	Uninhabited. Not in occupation.	Building.	1901.			
					Persons.	Males.	Females.	
Belmont	765	9	39	7	3436	1519	1917	
Cowick	700	7	25	—	3184	1524	1660	
Exwick	710	8	12	7	3370	1629	1741	
Holy Trinity	651	13	19	—	3375	1594	1781	
Rougemont	525	88	16	2	3072	1481	1591	
St. David	685	30	30	2	3263	1431	1832	
St. James	830	23	28	2	4003	1709	2294	
St. John	589	76	24	5	3867	1874	1993	
St. Leonard	624	10	33	4	3028	1176	1852	
St. Matthew	714	10	16	2	3500	1643	1857	
St. Paul	647	110	56	2	3408	1521	1887	
St. Petrock	541	107	19	—	2899	1087	1812	
St. Sidwell	866	27	21	—	3877	1819	2058	
St. Thomas	592	9	18	14	2903	1394	1509	

TABLE

Showing the number of Tenements of less than five rooms,
distinguishing those occupied by various numbers
of persons.

URBAN DISTRICT.	Rooms in Tenement.	PERSONS PER TENEMENT.									
		1	2	3	4	5	6	7	8	9	10
Exeter, City of (C.B.)—											
Tenements of less than											
five rooms .. .	3974										
Over five rooms .. .	6832	1	598	346	159	56	22	10	3	1	1
		2	1062	289	366	191	97	69	30	12	8
		3	1194	102	244	248	198	163	118	64	29
Total .. .	10806	4	1120	37	202	227	199	159	129	84	48
											27
											53

In estimating the population of Exeter, I have assumed that the increase has been in the same ratio as for the ten years from 1891 to 1901, which would give it a population of 47,800, and for the purpose of these statistics I have used this figure.

VITAL STATISTICS.

Birth Rate.

The total number of Births registered in Exeter in the year 1905 was 1,060, divided as follows:—521 males and 539 females. Of this number 35 male and 24 female births were certified as illegitimate. This gives a birth-rate of 22·2 per 1,000, being slightly below that of last year and five below that of England and Wales.

The Registrar-General, in his Summary for 1905, gives the Birth-rate for England and Wales as 27·2 per 1,000 of the population, and for the 141 towns in which Exeter is classed as 26·9 per 1,000.

The total number of Deaths registered in Exeter during the year 1905 was 723, giving a crude death-rate of 15·5 per 1,000. From these deaths, however, we should deduct 56 of non-residents dying in Public Institutions in the district and add the deaths of 20 persons who died in Public Institutions beyond the district.

The Public Institutions within the district are the Royal Devon and Exeter Hospital, the City and St. Thomas Workhouses, and the Eye Infirmary.

The Public Institutions outside the district are the City Asylum and the Sanatorium or Fever Hospital.

CORRECTED DEATH-RATE.

Taking these figures, the net number of deaths is 687, which gives a corrected Death-rate of 14·4 per 1,000. This is the lowest Death-rate on record.

It is interesting to note from the Registrar-General's returns that both the Birth-rate and Death-rate for England and Wales are the lowest on record.

Corrected
Death Rate

AGES OF MORTALITY.

The following Table shows the number of Deaths (distinguishing males and females) at different age periods:—

			Males	Females.	Totals.
Under 1 year					
0—3 months	..	..	43	34	77
3—6 „	..	..	11	15	26
6—12 „	..	..	12	17	29
Totals under 1 year ..	..	..	66	66	132
Over 1 year and under 2 years .			16	13	29
,, 2 „	3	„	3	1	4
,, 3 „	4	„	1	6	7
,, 4 „	5	„	2	3	5
Totals 1 to 5 years ..	..	..	22	23	45
Over 5 and under 10 years ..			8	3	11
,, 10 „	15	„	2	7	9
,, 15 „	25	„	20	23	43
,, 25 „	35	„	14	25	39
,, 35 „	45	„	28	26	54
,, 45 „	55	„	43	31	74
,, 55 „	65	„	42	35	77
,, 65 „	75	„	52	68	120
,, 75 „	85	„	36	77	113
,, 85 „	..	..	7	19	26
Totals at ages over 5 years ..	..	..	252	314	566
Totals at all ages ..	..	..	340	403	743

Included in the above are deaths of residents of the City occurring at the Sanatorium and Digby's Asylum.

The Death-rate for England and Wales is given for the year 1905 as 15·2 per 1,000, being 1·0 per 1,000 below the rate in 1904.

The Death-rate for the 76 Great Towns was 15·7 per 1,000, and in the 141 Towns in which Exeter is classed it was 14·4 per 1,000.

The Death-rate for England and Wales less the 217 Towns was 14·9 per 1,000.

The Death-rate for Exeter is 1·3 per 1,000 below the 76 Great Towns, but is the same as for the 141 Towns in which Exeter is included, and 0·5 per 1,000 below that for England and Wales less the 217 Towns.

INFANTILE MORTALITY.

132 deaths occurred to children under one year of age. They may be classified as follows:—

Deaths
under
1 year, 132.

Debility	...	...	...	34
Bronchitis and Pneumonia			...	27
Diarrhoea	...	...	...	9

Premature Birth	...	...	19
Enteritis	...	...	5
Convulsions	...	...	6
Whooping Cough	...	...	1
Tubercular Disease	...	...	2
Measles	...	...	3
Syphilis	...	...	2
Rickets	...	•	2
Spasm of Glottis	...	...	2
Heart Disease	...	...	1
Dentition	...	...	2
Disease of Stomach	...	...	7
Caries	...	...	1
All other causes	...	...	9
			—
			132
			—

Giving a death-rate of 124·5 per 1,000 births.

Infantile Mortality.

The Death-rate for Infants in the 76 Great Towns was 128 per 1,000 births, in the 141 Towns in which Exeter is included 132 per 1,000 births, and in England and Wales, less the 217 Towns, it was 113 per 1,000 births.

Deaths in Public Institutions:—

The Royal Devon and Exeter Hospital	...	78
The City and St. Thomas' Workhouses	...	46
City Asylum	{ Residents of }	...
Exeter Sanatorium	{ City only }	...
		17
		3
		—
		144

*List of Cases in which an Inquest was held:—**Accidents:—*

By Burns	...	...	...	2
By Drowning	...	...	...	3
By Poisoning	...	...	...	2
By Railway Accidents	...	...	...	1
By Choking	...	...	...	1
By Fall from a Vehicle	...	...	...	1
By being Run Over by a Vehicle	...	...	...	3
By Suffocation	...	...	...	3
By Branch of a Tree Falling	...	...	...	1
By Falling	...	...	...	6

Suicides:—

By Throat Cut	...	...	...	1
By Drowning	...	...	...	4
By Shock	...	...	...	1

By Hanging	...	...	...	1
By Poisoning	...	...	...	1

Other Causes :—

Abscess	...	...	...	1
Convulsions	...	...	...	6
Angina Pectoris	...	...	...	1
Gastritis	...	...	...	1
Failure of Heart	...	...	...	7
Heart Diseases	...	...	...	7
Rupture of Blood Vessel	...	...	...	1
Syncope	...	...	...	6
Senile Decay	...	...	...	2
Insufficient Vitality	...	...	...	3
A Clot of Blood on the Brain	...	...	...	1
Inanition	...	...	...	1
Aneurism	...	...	...	1
Hæmorrhage	...	...	...	1
No Specified Cause	...	...	...	1
			—	
			71	
			—	

The Registrar-General gives the Death-rate among persons aged 60 years and upwards for the year 1905 as 66·8 per 1,000 of the estimated population at that group of ages.

The Death-rate in Exeter of persons in the same group of ages was 96·4 per 1,000.

The Death-rate for the last 10 years in both Exeter and the 76 Great Towns was:—

THE FOLLOWING TABLES

Will show the comparative Rates for each Month or Year:—

CITY OF EXETER.

Month	1896	1897	1898	1899	1900	1901	1902	1903	1904	1905	Death Rate Statistics.
Jan.	19·2	26·5	21·70	16·84	21·97	17·4	16·5	19·0	24·4	19·26	
Feb.	29·61	21·39	23·18	16·4	26·5	21·63	21·46	18·5	19·2	16·24	
Mar.	13·74	23·66	17·46	16·8	17·92	23·67	19·6	16·75	16·7	15·12	
April	17·23	21·76	17·55	14·26	19·55	17·2	15·44	15·30	17·2	12·53	
May	14·8	11·33	12·72	19·1	15·7	16·98	15·0	12·70	13·2	13·65	
June	19·64	15·0	8·89	14·55	15·44	13·0	15·25	12·40	14·6	11·52	
July	15·4	15·65	9·39	14·26	14·81	14·08	14·45	13·50	14·9	12·2	
Aug.	13·9	24·0	17·64	23·11	15·97	19·4	14·7	14·00	13·9	14·28	
Sept.	14·57	10·87	15·29	16·65	14·84	10·34	13·7	13·20	10·7	10·68	
Oct.	14·5	15·36	14·89	19·55	15·4	13·27	14·8	13·20	13·4	13·55	
Nov.	17·1	13·81	12·0	20·3	18·34	14·3	15·73	15·00	11·8	15·81	
Dec.	18·4	20·76	17·50	39·0	8·44	17·2	29·2	15·80	20·7	17·86	

The Death-rate per 1,000 for each year being:—

17·2 18·32 15·66 19·13 17·9 16·4 16·5 15·3 16·8 14·4

IN THE 76 GREAT TOWNS.

Month	1896	1897	1898	1899	1900	1901	1902	1903	1904	1905	Death Rate Statistics
Jan.	19·2	19·7	20·32	18·15	25·12	18·1	18·34	18·25	19·2	18·5	
Feb.	12·8	19·6	20·30	20·38	23·5	20·5	22·72	17·1	17·9	17·1	
Mar.	19·6	18·5	20·95	22·66	20·98	19·1	18·97	16·8	18·9	16·3	
April	19·04	18·3	19·54	19·30	21·72	18·67	17·57	15·37	17·1	16·1	
May	18·15	16·85	16·72	16·95	18·5	16·71	16·86	16·0	15·5	14·8	
June	17·17	16·1	15·86	16·52	16·5	14·87	13·15	14·20	13·8	13·1	
July	21·66	17·72	15·55	18·0	16·47	17·45	10·10	13·75	14·4	13·2	
Aug.	19·1	27·42	21·03	25·28	20·36	21·68	13·40	15·40	21·3	17·0	
Sept.	15·67	18·5	23·68	22·3	18·19	17·8	16·87	13·7	16·8	14·5	
Oct.	17·2	16·9	19·05	19·4	17·32	16·5	17·20	15·80	15·3	14·3	
Nov.	20·5	18·9	17·10	18·46	17·54	20·17	17·65	17·20	17·2	16·4	
Dec.	19·16	20·76	18·08	25·2	16·87	19·6	18·32	19·8	17·1		

The Death-rate per 1,000 for each year being:—

18·9 19·1 18·83 20·21 19·5 18·6 17·40 16·3 17·2 15·7

The Table for 1896 to 1901 is for the 33 Great Towns, and for 1902 to 1905 for the 76 Great Towns.

The Deaths in Exeter due to the Notifiable Zymotic Diseases were :—

Notifiable Zymotic Deaths.	Small Pox.	Diphtheria.	Membranous Croup.	Scarlet Fever	Typhoid Fever.	Puerperal	Erysipelas	Total.
	0	3	0	1	3	1	0	8

Of these, 2 cases of Diphtheria and 1 of Typhoid Fever died at the Sanatorium.

The Deaths from Non-Notifiable Diseases were :—

Non- Notifiable Zymotic Deaths.	Measles.	Whooping Cough.	Diarrhoea.	Total.
	9	2	12	23

Giving the Death-rate for Notifiable Zymotic Diseases at 0·17 per 1,000, and the Non-Notifiable Diseases at 0·47 per 1,000.

The Death-rate from the seven principal Zymotic Diseases in England and Wales for 1905 was 1·52 per 1,000; in the 76 Great Towns it was 1·88 per 1,000; and in the 141 Smaller Towns 1·50 per 1,000, and in England and Wales less the 217 Towns it was 1·09 per 1,000.

The Death-rate in Exeter was 0·64 per 1,000.

The following Table shows the Annual Birth-rate per 1,000 and Death-rate per 1,000 for all causes and from the several Zymotic Diseases during the year 1905 :—

COLS.	Births.		ANNUAL RATE PER 1,000 LIVING.			Measles.	Scarlet Fever.	Diphtheria.	Whooping Cough.	Fever.	Diarrhoea.	Deaths under 1 year per 1,000 Births.	Annual Death Rate.
	1	2	3	4	5	6	7	8	9	10	11		
England & Wales ..	27·2	15·2	1·52	0·00	0·32	0·11	0·16	0·25	0·09	0·59	128		
76 Great Towns ..	28·2	15·7	1·88	0·00	0·39	0·13	0·16	0·29	0·08	0·83	140		
141 Smaller Towns ..	26·9	14·4	1·50	0·00	0·31	0·11	0·15	0·23	0·13	0·57	132		
England & Wales } less the 217 Towns }	26·3	14·9	1·09	0·00	0·24	0·09	0·15	0·20	0·09	0·32	113		
Exeter	22·2	14·4	0·64	0·00	1·9	0·02	0·06	0·04	0·08	0·25	124		

DISEASE INCIDENTS.

Notifiable Diseases.

SMALLPOX.

Smallpox.

On September 2nd, 1905, notifications were received that two females, aged 16 and 32, residing at 32, Cecil Road, were suffering from Chicken Pox. Following the practice of having these cases visited, our Health Visitor reported that these cases were suspicious. Enquiry was at once made of the Medical Attendant as to the nature of the disease, and from the conversation I was doubtful of the correctness of the diagnosis, fearing that they might be cases of smallpox. A consultation was arranged, and after carefully examining the patients and cross-examining them and their friends, I had no hesitation in pronouncing the disease to be smallpox.

It was then elicited from the patients that the younger one had been ill from August 29th and the elder from a day later; that four of their relations residing at Plymouth, and who had been on a visit to them at their house twelve days previously, had been removed to the Hospital Ship at Plymouth as suspicious cases: and that one of these four relations came to Exeter on August 8th, was taken ill on August 13th, a rash appeared on August 15th, and she was taken back to Plymouth by her parents on August 17th.

Our patients were at once removed to the Sanatorium, the premises disinfected, the bedding and clothing disinfected by steam, and certain articles of bedding and wearing apparel burnt. The three other inmates of the house—husband and mother of the elder patient and a brother of the younger patient—were at once re-vaccinated, and arrangements were made with them to undergo quarantine for sixteen days and to be daily visited. On September 5th it was found that the mother of the elder patient, 61 years of age, was ill, and two days after, characteristic spots appeared, the case, was at once diagnosed as smallpox and removed to the Sanatorium, and the whole process of disinfection gone over again. These measures and precautions being carefully carried out, had the effect of stamping out what might have been a very serious epidemic of the disease.

The two patients first removed to the Sanatorium were both unvaccinated, and had the disease in its confluent form. The other patient, 61 years of age, who had been vaccinated in infancy, and re-vaccinated three days before sickening, had the disease in a very modified and mild form, while the husband, who had been vaccinated and re-vaccinated, as well as the boy, escaped. These cases are, in my opinion, a striking example of the value of vaccination. Here we have a house scrupulously clean, with up-to-date sanitation, occupied by five persons; two of them are unvaccinated; one, aged 61, vaccinated in infancy, the others well vaccinated. A case of smallpox is introduced into the house, the two unvaccinated contract the disease in a most severe form, the one vaccinated in infancy contracts it in a very mild form, and the other two who are well vaccinated escape.

TABLE

Showing the actual number of cases of Smallpox notified for ten years and mortality for the same:—

Year.	1896.	1897.	1898.	1899.	1900.	1901.	1902.	1903.	1904.	1905.	Total
Cases Notified	31	0	0	1	0	2	6	0	0	3	43
Deaths	2	0	0	0	0	0	1	0	0	0	3

DIPHTHERIA.

The number of cases of this disease notified was 14—
Diphtheria.
 seven males and seven females—of whom three died, viz.,
 two males and one female. This is the lowest number of
 cases recorded since 1900, when the City boundaries were
 extended. Of the 14 cases notified, nine were examined
 bacteriologically, and eight confirmed.

TABLE

Showing the number of cases of Diphtheria notified and
 mortality from same for the past ten years:—

Year.	1896	1897	1898	1899	1900	1901	1902	1903	1904	1905	Total.
Cases Notified	16	11	12	10	20	40	32	17	37	14	209
Deaths	3	2	6	2	8	6	8	3	5	3	46

SCARLET FEVER.

During the past year there has been a marked decline
Scarlet Fever.
 in this disease, the number of cases notified being only 70,
 against 88 for 1904. These figures again confirm the
 experience of past years, which shows that Scarlet Fever in
 Exeter appears to become epidemic about every eight years.

TABLE

Showing the number of cases of Scarlet Fever and mortality from the same for the past ten years:—

Year.	1896.	1897.	1898.	1899.	1900.	1901.	1902	1903.	1904.	1905.	Total.
Cases Notified	63	14	24	98	65	533	338	321	88	70	1614
Deaths	0	0	0	2	1	10	13	6	2	1	35

TYPHOID FEVER.

Typhoid Fever

The number of cases of Typhoid Fever notified in 1905 was considerably less than in 1904, which was then the lowest on record, being only 20 cases, with three deaths. The cases this year have again confirmed the opinions expressed in my report of last year—that in Exeter dietetics have more to do with the cause of this disease than insanitary arrangements. Out of the 20 cases notified, no less than seven of the patients had partaken of shell-fish within 21 days of the date of notification.

TABLE

Showing the number of cases of Typhoid Fever and the mortality for the same for the last ten years:—

Year.	1896.	1897.	1898.	1899.	1900.	1901.	1902.	1903	1904.	1895.	Total
Cases Notified	74	96	93	186	91	41	33	31	30	20	695
Deaths	13	15	9	18	15	6	3	1	5	3	88

CONTINUED FEVER.

One case of this disease was notified.

Continued Fever.

TYPHUS FEVER

No case of this disease was notified during the year.

Typhus Fever.

PUERPERAL FEVER.

Only four cases of this disease have been notified, of which one ended fatally.

Puerperal Fever.

ERYSIPelas.

Nineteen cases of this disease were notified, with no death.

Erysipelas.

CHICKEN-POX.

During the past year 39 cases have been notified, none of which ended fatally. The value of the notification of Chicken-pox has been previously shown in my remarks on Smallpox.

Chicken Pox.

Non-Notifiable Diseases.

MEASLES.

Measles.

Measles not being a notifiable disease in Exeter, we have no means of ascertaining the number of cases that may have occurred during the year, and it is only from information received from the School Authorities, and from the number of deaths, that I know there must have been many cases of this disease during the early months of the year.

Nine deaths were registered from this disease.

TABLE
Showing the number of Deaths from Measles for the past ten years.

Year.	1896	1897	1898	1899	1900	1901	1902	1903	1904	1905	Total.
Deaths.	7	38	1	2	12	2	17	36	0	9	124

WHOOPING COUGH.

Whooping Cough.

During the past year there have been very few cases of this disease, and the only two deaths that were registered from it occurred in the early months of the year.

DIARRHŒA.

The number of deaths from this disease is considerably less than that of previous years, the deaths registered being only 12, as compared with 23 in 1904. Diarrhoea

The number of deaths from this disease were divided as follows :—

Under 1 year ...	...	...	9
Between 1 and 5 years ...	...	...	1
Between 55 and 65 years	...	...	1
Between 75 and 85 years	...	...	1
<hr/>			
Total ...			12

TUBERCULOSIS.

The number of deaths registered during the past year from the various forms of Tuberculosis is the lowest on record, Tuber.
culosis. divided as follows :—48 deaths from Phthisis, 9 from Tubercular Meningitis, and 21 from other forms of Tuberculosis.

The voluntary notification of Phthisis as far as the City is concerned has again been a complete failure, not a single case having been notified, although the Council offer to pay the usual fee for notification.

We have again endeavoured to deal with this disease, and whenever we have known of cases amongst the poorer classes the Health Visitor has been instructed to visit and advise the best methods of preventing the spread of infection.

We have again this year supplied disinfectants and disinfected free of cost to all who applied, and in 51 cases I was able to induce the occupiers of houses to have the premises disinfected where this disease had taken place, but in a few cases the occupiers absolutely refused to have anything done.

The death-rate from Phthisis for the past year was 1 per 1,000, being the lowest on record.

The deaths from this disease in all its forms in Exeter is shown in the following Table:—

TABLE

Showing the Deaths from the following diseases for the past ten years:—

Disease.	1896	1897	1898	1899	1900	1901	1902	1903	1904	1905
Phthisis	61	50	55	72	56	66	74	67	57	48
Other Forms of Tuberculosis	12	13	12	11	20	14	19	19	17	21
Tubercular Meningitis	12	17	8	8	10	10	12	4	9	9
Tabes Mesenterica	1	2	6	0	2	5	1	1	0	0
Total ..	86	82	81	91	88	95	106	91	83	78

NOTE:—In the above Table it must be noticed that before the year 1900 the population of Exeter was 37,717; since 1900, when St. Thomas was annexed, the population was increased to 47,400.

Deaths from Phthisis classified according to Locality and Sex
for 1905.

LOCALITY.	M.	F.	TOTAL.	LOCALITY.	M.	F.	TOTAL.
Belmont Road ..	1	..	1	Brought Forward ..	7	13	20
Chute Street ..	1	..	1	Okehampton Road ..	1	..	1
Coombe Street ..	..	1	1	Okehampton Street ..	1	1	2
Cornwall Street ..	1	..	1	Paris Street ..	..	1	3
Cowick Street ..	..	1	1	Parr Street ..	..	1	1
East John Street ..	..	1	1	Paul Street ..	..	1	2
Exe Island ..	..	2	2	Portland Street ..	..	1	1
Exe Street ..	..	1	1	Preston Street ..	..	2	2
Exwick ..	..	2	2	Queen Street ..	..	1	1
Friar's Walk ..	1	..	1	Smythen Street ..	..	1	1
Friernhay Street ..	1	..	1	Stepcote Hill ..	..	1	1
Holloway Street ..	1	..	1	Southernhay East ..	1	1	2
Kimberley Road ..	..	1	1	Summerland Street ..	2	..	2
Little John's Cross ..	..	1	1	Tudor Street ..	..	1	1
Magdalen Street ..	1	..	1	R. D. & E. Hospital ..	1	1	2
Milk Street ..	..	1	1	City Workhouse ..	5	..	5
Mount Radford Sq. ..	..	1	1	Weirfield Street ..	..	1	1
North Street ..	..	1	1				
Carried Forward ..	7	13	20	Grand Total ..	21	27	48

CANCER.

Cancer. The deaths from this disease were 44, considerably less than that of last year.

TABLE

Of Deaths from Cancer for the past ten years:—

1896	1897	1898	1899	1900	1901	1902	1903	1904	1905
41	30	31	38	36	33	50	60	56	44

SUMMARY OF INFECTIOUS DISEASES AND
ACTION TAKEN.

In reviewing the cases of Infectious Diseases notified and dealt with during 1905, I am pleased to state that there has been a marked decrease in all those diseases which are indications of the sanitary conditions of the City. Particularly I would allude to the decrease in the number of cases of Typhoid Fever and Diphtheria, the attack-rate in the former being only .42 per 1,000, and the death-rate .06 per 1,000, while in the latter the attack-rate was .28 per 1,000 and the death-rate .06 per 1,000. The number of cases of Scarlet Fever are again less than for previous years and of a very mild type, and the action taken to prevent the spread of the disease has been the same as that of former years. This action consists in prompt removal of all

cases where the necessary isolation could not be provided at home, careful enquiries into the causes of each case, and the excluding of all children from school from infected houses, by advice notices to occupiers of infected premises, and by advising schools, librarians, and the Clerk to the School Board. Again during the past year, with the sanction of the Education Committee, we have had a list of all children absent from schools on account of illness, or supposed illness sent to us every week, and they are visited by the Health Visitors. These means have again enabled us to detect cases of infectious disease which might otherwise have escaped notice, and the fact of the parents knowing that the children would be visited has conduced to a medical man being called in earlier than he otherwise would have been, and for this reason I am pleased to acknowledge the valuable assistance so readily rendered by the Schoolmasters, Mistresses, and Officers of the Education Committee.

During the year the total number of rooms disinfected was 200. This includes:—

56 rooms disinfected after Phthisis.

1 „ „ Cancer.

ARTICLES DISINFECTED IN 1905.

Mattresses	...	...	...	427
Palliasses	...	...	...	240
Blankets	...	...	...	380
Bolsters	...	...	...	253
Bedties	...	...	...	291
Quilts	...	...	...	124
Carpets	...	...	...	138
Dresses	...	...	...	157
Dressing Gowns	...	...	...	103
Cushions	...	...	...	148
Curtains	...	...	...	192
Underlinen	...	...	...	266
Coats	...	...	...	154
Suits	...	...	...	183
Rugs	...	...	...	115
Other Articles	...	...	...	2,931
		Total	...	6,102

SANATORIUM OR FEVER HOSPITAL.

REPORT ON SANATORIUM FOR 1905.

GENTLEMEN,

We have the honour to report that the number of cases treated this year at the Sanatorium is considerably less than that for any year since 1898. We began the year with nine cases under treatment remaining over from 1904, and we leave at the end of the year 1905 23 cases under treatment.

(*Vide* following figures):—

1896	...	Total treated at Sanatorium	...	132
1897	..	Ditto	Ditto	... 94
1898	...	Ditto	Ditto	... 106
1899	...	Ditto	Ditto	... 234
1900	...	Ditto	Ditto	... 176
1901	...	Ditto	Ditto	... 422
1902	...	Ditto	Ditto	... 436
1903	...	Ditto	Ditto	... 398
1904	...	Ditto	Ditto	... 268
1905	...	Ditto	Ditto	... 128

The number of cases treated from the County of Devon shows a considerable decrease; from this we may presume that zymotic diseases have been less prevalent in the surrounding districts as they have been in Exeter. The following table shows the number of County cases treated during the last ten years:—

1896	...	Cases from the County of Devon	...	32
1897	...	Ditto	...	40
1898	...	Ditto	...	35
1899	...	Ditto	...	57
1900	...	Ditto	...	66
1901	...	Ditto	...	41
1902	...	Ditto	...	100
1903	...	Ditto	...	83
1904	...	Ditto	...	90
1905	...	Ditto	...	47

The following is the mortality amongst the 47 cases from the County of Devon:—

Typhoid Fever	...	...	...	0
Scarlet Fever	...	...	...	2
Diphtheria	...	...	...	0
			—	
		Total	...	2

Cases treated from the City and County of Exeter ... 81	
Cases treated from the County of Devon 47	
	Total ... 128

The average duration of each patient's stay in the Sanatorium was 43 days.

Against in 1897 ...	... 47	days
" 1898 ...	... 44	"
" 1899 ...	... 44	"
" 1900 ...	... 45	"
" 1901 ...	... 48	"
" 1902 ...	... 46	"
" 1903 ...	... 45	"
" 1904 ...	... 49	"
" 1905 ...	... 43	"

During the year 1905 there occurred five deaths amongst all the patients who were treated at the Sanatorium, viz.:—

From Typhoid Fever ...	... 1
," Scarlet Fever ...	... 2
," Diphtheria ...	... 2
	—
	Total ... 5

This gives a death-rate of 3·8 per 100 cases treated.

SMALLPOX.—Three cases of Smallpox occurred in Exeter during 1905, and were immediately removed to the Sanatorium. They were all three females, two of them were unprotected by vaccination, and the third, who was aged about 60, had only been vaccinated in infancy. In the two unvaccinated cases the disease was confluent and ran a normal course, whilst in the vaccinated case the disease was very modified. They were all discharged cured.

DIPHTHERIA.—Fourteen cases of Diphtheria were treated, of whom two died, eleven were discharged cured, and one was left under treatment.

TYPHOID FEVER.—Fifteen cases of Typhoid Fever were treated during the year, of whom one died, eleven were discharged cured, and three were left under treatment.

SCARLET FEVER.—Ninety-four cases of Scarlet Fever were treated during the year; of these two died, 73 were discharged cured, and 19 were left under treatment.

MEASLES.—One case of Measles was treated and discharged cured.

The Matron (Miss Marion Jones) has during the year proved a most efficient and able officer. She possesses great administrative abilities, is liked and respected by the Nurses

and we have the greatest confidence in the manner in which she carries out the treatment and nursing of infectious diseases.

The staff of Trained Nurses, by their care and attention to the patients, and by their untiring and skilful attention to their duties, have largely contributed to the excellent results which we have the honour to report to you.

We again thank Mr. W. J. Wreford for his constant kind assistance, and we cannot speak too highly of the able way in which he carries out the large amount of work he does in connection with the Sanatorium.

Appended are Schedules of Cases.

We are, Gentlemen,

Faithfully yours,

EDWARD A. BRASH.

GEORGE T. CLAPP,

C. J. VLIELAND.



Schedule of Cases treated at the Exeter Sanatorium for the
year 1905:—

DATE.	<i>Cases admitted.</i>					<i>Deaths.</i>			<i>Discharged Cured.</i>			<i>Remaining on the last day of each Month.</i>												
	Smallpox.	Typhoid Fever.	Scarlet Fever.	Diphtheria.	Measles.	Chicken Pox.	Smallpox.	Typhoid Fever.	Scarlet Fever.	Diphtheria.	Measles.	Chicken Pox.	Smallpox.	Typhoid Fever.	Scarlet Fever.	Diphtheria.	Measles.	Chicken Pox.	Smallpox.	Typhoid Fever.	Scarlet Fever.	Diphtheria.	Measles.	Chicken Pox.
Remaining on Jan. 1st, 1905.	2	7	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
January	2	5	....	....	....	....	....	....	1	4	....	....	....	....	....	....	....	....	3	8	....	....	....	....
February	2	2	....	....	....	1	....	....	....	1	3	1	....	....	....	....	....	....	1	7	1	....	....	....
March	4	....	....	....	....	....	....	....	....	6	1	....	....	....	....	....	....	....	1	5	....	....	....	....
April	9	2	....	....	....	....	1	....	....	1	4	....	....	....	....	....	....	....	10	1	....	....	....	....
May	5	1	....	....	....	....	....	....	....	5	1	....	....	....	....	....	....	....	10	1	....	....	....	....
June	1	4	2	1	....	....	....	....	....	7	....	....	....	....	....	....	....	....	1	7	3	1	....	....
July	1	8	....	1	....	....	....	....	....	4	3	1	....	....	....	....	....	....	2	10	....	1	....	....
August	1	10	3	....	....	....	....	....	2	5	1	1	....	....	....	....	....	....	1	14	2	....	....	....
September	3	2	4	2	....	....	....	1	....	....	9	1	....	....	3	3	11	2	....	....	....	....	....	....
October	2	10	1	....	....	....	....	....	2	1	7	2	....	....	1	4	14	1	....	....	....	....	....	....
November	1	16	....	....	....	....	....	....	1	4	10	1	....	....	....	1	20	....	....	....	....	....	....	....
December	3	10	1	....	....	2	....	....	1	9	....	....	....	....	....	3	19	1	....	....	....	....	....	....
Total	3	15	94	14	1	1	....	1	2	2	....	3	11	73	11	1	1	....	....	....	....	....	....	....

Average Time of Patients' Treatment—43·34 days.

Summary of Cases treated at the Exeter Sanatorium for the
year 1905 :—

Disease Treated.	Remain-ing 1st Jan., 1905	Admitted during 1905	Total Deaths.	Dis-charged Cured.	Total Treated during 1905	Remain-ing 1st Jan., 1906
Smallpox	..	—	3	—	3	—
Typhoid Fever	..	2	13	1	11	15
Scarlet Fever	..	7	87	2	73	94
Diphtheria	..	—	14	2	11	14
Measles	..	—	1	—	1	—
Chicken Pox	..	—	1	—	1	—
 Total	9	119	5	100	128
						23

Summary of Cases treated at the Exeter Sanatorium from
the County of Devon for the year 1905, and
included in the above :—

Disease Treated.	Remain-ing 1st Jan., 1905	Admitted during 1905	Total Deaths.	Dis-charged Cured	Total Treated during 1905	Remain-ing 1st Jan., 1906
Typhoid Fever	..	—	2	--	—	2
Scarlet Fever	..	2	38	2	25	40
Diphtheria	..	—	5	—	4	5
Smallpox	..	—	—	—	—	—
 Total	2	45	2	29	47
						16

The County Cases were admitted from the following

Districts:—

Disease treated.	St Thomas R.D.C.	Exmouth U.D.C.	Sidm'th U.D.C.	Higher Barracks	Private Cases.	Totals.
Typhoid Fever	2	—	—	—	—	2
Scarlet Fever	17	17	1	2	1	38
Diphtheria	2	1	—	—	2	5
Total	21	18	1	2	3	45

SEWAGE.

Four years have now elapsed since the whole of the Sewage on the City side, and two years since that of the St Thomas' side of the Exe, was intercepted from flowing into the river, and conveyed to the Septic Tanks to be dealt with by bacteriological treatment. I have again kept careful observation of the works, and am of opinion that the same are doing all that was expected of them, and in a most satisfactory manner. The condition of the river has greatly improved since the completion of the whole works, and there is, so far as I know, no pollution of the river from this City.

HOUSE DRAINAGE.

The drainage of the City is by the Water Carriage System, and special attention has been paid to house drains

during the past year. 294 drains have been tested by the smoke test. The whole of the drains of 139 houses have been relaid, and 36 repaired, trapped and ventilated. The flushing arrangements of 104 W.C.'s have been repaired. A large amount of work is constantly being done in the way of improving W.C.'s and providing light and air to the same. Five new urinals have been provided for licensed premises.

REMOVAL AND DISPOSAL OF HOUSE REFUSE.

This work is carried out by the Council by direct labour, and in most parts of the City the house refuse is removed daily, while in the suburban parts the refuse is removed twice a week. The present method of disposal of house refuse is far from satisfactory, and the question of providing a destructor or some other means of disposing of this refuse will sooner or later have to be seriously considered by the Council.

WATER.

The Water Supply of the City again continues to be satisfactory, and there is always a plentiful supply. The Reports of the Public Analyst which are appended hereto confirm these remarks.

ANALYST'S REPORT.

Analysis of City Water.

PUBLIC ANALYST'S LABORATORY,

EXETER.

REPORT ON A SAMPLE OF WATER.

Analyst's Report.

Collected March 31st, 1905, from Main Tap in Laboratory.

Physical Characters:—

(a) Colour	...	...	Nearly colourless
(b) Taste	...	...	Normal
(c) Smell	...	...	Absent
(d) Suspended Matter	...	...	Insignificant

Chemical Characters:—

In Grains per Gallon.

(e) Total Solids (dried at 110° C)	...	7·6
(f) Mineral Matter (after re-carbonating)	7·0	
(g) Loss on Ignition	...	6

Characters on Ignition:—Nothing Carbonised.

(h)	C	hlorides (expressed as Chlorine)	...	1·0
(i)	H	ardness (total)	...	4·3
(j)	H	ardness (permanent)	...	1·0
(k)	N	itrites	...	0
(l)	N	itrates (expressed as Nitrogen)	...	·042
(m)	S	aline Ammonia	...	·0005
(n)	A	lbumenoid Ammonia	...	·0056
(p)	O	xxygen absorbed in 4 hours	...	·035
(q)	P	oisonous Metals	...	Absent
(r)	P	hosphates	...	None

The results of analysis remain within the limits of climatic variation, and are satisfactory.

THOMAS TICKLE,

Public Analyst.

PUBLIC ANALYST'S LABORATORY,

EXETER, 5th April, 1905.

Exeter City Water Supply—Enumeration of Bacteria.

Sample taken on 31st March, 1905, from Main Tap in Laboratory.

Number of Micro-organisms per cubic centimeter—40.

THOMAS TICKLE,

Public Analyst

PUBLIC ANALYST'S LABORATORY,

EXETER.

REPORT ON A SAMPLE OF WATER.

Collected June 30th, 1905, at 3 p.m., from Main Tap in
Laboratory.

Physical Characters :—

(a) Colour	...	...	...	Yellowish tint
(b) Taste	...	...	...	Normal
(c) Smell	...	...	...	Absent
(d) Suspended Matter	...	...	...	Insignificant

Chemical Characters :—

		In Grains per Gallon.
(e) Total Solids (dried at 110° C)	...	9·0
(f) Mineral Matter (after re-carbonating)	...	8·3
(g) Loss on Ignition	...	·7

Characters on Ignition :—Small Amount
of Carbonisation.

(h) Chlorides (expressed as Chlorine)	...	1·05
(i) Hardness (total)	...	5·6
(j) Hardness (permanent)	...	·5
(k) Nitrites	...	0
(l) Nitrates (expressed as Nitrogen)	...	·052
(m) Saline Ammonia	...	·0005
(n) Albumenoid Ammonia	...	·0054
(p) Oxygen absorbed in 4 hours	...	·05

(q) Poisonous Metals	...	...	Absent
(r) Phosphates	...	...	0

The organic purity of this sample is a little below the recent average, but is not exceptional for the present time of year, the difference depending greatly on climate.

THOMAS TICKLE,

Public Analyst.

PUBLIC ANALYST'S LABORATORY,

EXETER, 4th July, 1905.

Exeter City Water Supply—Enumeration of Bacteria,
Sample taken 1st July, 1905, at 11.30 a.m., from Main Tap
in Laboratory.

Number of Micro-organisms per cubic centimeter growing
in a culture medium of Beef Gelatine—550.

Number of Micro-organisms per cubic centimeter growing
in a culture medium of Distilled Water Gelatine—400.

As a great proportion of these Micro-organisms are capable of growing in distilled water, the greater than usual number does not indicate a notable deterioration of the water.

THOMAS TICKLE,

Public Analyst.

PUBLIC ANALYST'S LABORATORY,

EXETER.

REPORT ON A SAMPLE OF WATER.

Taken for analysis, October 2nd, 1905, at 9.30 a.m., from
Tap on Main in Laboratory.

Physical Characters :—

(a) Colour	...	...	...	Nearly colourless
(b) Taste	...	...	...	Normal
(c) Smell	...	...	...	Absent
(d) Suspended Matter	...	...	...	Nothing

Chemical Characters :—

		In Grains per Gallon.
(e) Total Solids (dried at 110° C)	...	6·7
(f) Mineral Matter (after re-carbonating)	...	6·4
(g) Loss on Ignition	...	·3

Characters on Ignition :—A little material charred.

(h) Chlorides (expressed as Chlorine)	...	1·0
(i) Hardness (total)	...	3·9
(j) Hardness (permanent)	...	·5
(k) Nitrates	...	0
(l) Nitrates (expressed as Nitrogen)	...	·03
(m) Saline Ammonia	...	·0003
(n) Albumenoid Ammonia	...	·0040
(p) Oxygen absorbed in four hours	...	·03

(q) Poisonous Metals	...	...	Absent
(r) Phosphates	...	...	0

The recent improvement in organic purity is maintained, and the present analytical results are satisfactory.

THOMAS TICKLE,

Public Analyst.

PUBLIC ANALYST'S LABORATORY,

EXETER, October 4th, 1905.

Exeter City Water Supply—Enumeration of Bacteria.

Sample taken on October 4th, 1905, at 4 p.m., from Main Tap in Laboratory.

Micro-organisms growing in a Beef Gelatine Medium:—

Number of colonies per cubic centimeter, 100.

Micro-organisms growing in a Distilled Water Gelatine Medium:—Number of colonies per cubic centimeter, 70.

THOMAS TICKLE,

Public Analyst.

PUBLIC ANALYST'S LABORATORY,

EXETER.

REPORT ON A SAMPLE OF WATER

Taken December 28th, 1905, from Main Tap in Laboratory.

Physical Characters:—

(a) Colour	...	...	...	Yellowish
(b) Taste	...	...	...	Normal
(c) Smell	...	...	..	Absent
(d) Suspended Matter	...	...	...	A few infusoria

Chemical Characters:—

		In Grains per Gallon.
(e) Total Solids (dried at 110° C)	...	6·53
(f) Mineral Matter (after re-carbonating)...	...	·8
(g) Loss on Ignition	...	5·73

Characters on Ignition:—A small quantity of material charred.

(h) Chlorides (expressed as Chlorine)	...	1·0
(i) Hardness (total)	...	3·9
(j) Hardness (permanent)	...	·77
(k) Nitrates (expressed as Nitrogen)	...	0
(l) Nitrates (expressed as Nitrogen)	...	·07
(m) Saline Ammonia	...	·0006
(n) Albumenoid Ammonia	...	·0055

(p) Oxygen absorbed in 4 hours	...	.033
(q) Poisonous Metals	...	Absent
(r) Phosphates	...	0

There is a considerable improvement in the organic purity as compared with that of last month.

The number of bacteria is greater than usual, but they are almost entirely of a pure water habitat, the number growing in distilled water jelly being equal to those germinating in beef jelly. This result is satisfactory.

THOMAS TICKLE,

Public Analyst



PUBLIC ANALYST'S LABORATORY,

EXETER, 2nd January, 1906.

City of Exeter Water Supply—Enumeration of Bacteria.

Sample taken December 30th, 1905, at 3 p.m., from Main
Tap in Laboratory.

Micro-organisms growing in a Beef Gelatine Medium:—

Number of colonies per cubic centimeter, 380.

Micro-organisms growing in a Distilled Water Gelatine
Medium:—Number of colonies per cubic centimeter, 350.

THOMAS TICKLE,

Public Analyst.



COMMON LODGING HOUSES.

There are only 3 Common Lodging Houses in the City : these are regularly inspected by the Police and Sanitary Officers, and are in compliance with the regulations of the Model Bye-laws for Common Lodging Houses. These houses are well kept, and only one case of infectious disease has occurred in one of them.

SLAUGHTER HOUSES.

During the past year the Slaughter Houses in the City have been regularly inspected, and found to be kept in accordance with the Bye-laws.

BAKEHOUSES.

We have 63 Bakehouses within the City, all of which have been regularly inspected, and found to be kept in compliance with the Act of Parliament.

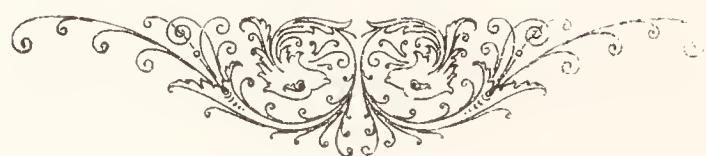
DAIRIES, MILKSHOPS, AND COWSHEDS.

During the past year the whole of the Dairies, Milkshops, and Cowsheds have been visited, and no cases calling for interference have been discovered. No outbreak of

infectious disease could in any way be traced to milk supply. During the year 41 samples of milk have been analysed, and only 5 were found adulterated.

SALE OF FOOD AND DRUGS ACT.

During the past year 144 samples were submitted to the Public Analyst, with the result that 15 were returned as adulterated. The result of the Analyses and proceedings taken are shown in the annexed Table.



ABSTRACT OF SAMPLES TAKEN FOR ANALYSIS
DURING THE YEAR 1905.

ARTICLE.	Examined.	Adulterated.
Milk	32	2
Scald Milk	9	3
Butter	18	4
Cream	3	..
Raw Cream	1	..
Cheese	10	..
Margerine	7	..
Brawn	2	..
Bacon	3	3
Sausages	3	1
Olive Oil	8	1
Bread	4	..
Flour	4	..
Jam	3	..
Coffee	6	..
Arrowroot	2	..
Pepper	3	..
Baking Powder	3	..
Laudanum	8	..
Magnesia	4	..
Ginger Brandy	2	..
Gin	3	..
Port	3	..
Whisky	4	..
Brandy	4	1
Total ..	144	15

AMOUNT OF ADULTERATION, PROCEEDINGS
TAKEN, AND FINES.

No. of Sample	Article Adulterated.	Amount of Adulteration.	Proceedings Taken.	Result of Proceedings.
16	Butter ..	Contained not less than 17·5 per cent. of water	None ..	
*17	Bacon ..	Traces of Boric Acid	Do. ..	
*18	Bacon ..	24 to 28 grains of Boric Acid per lb.	Do. ..	
*19	Bacon ..	10 to 31 grains of Boric Acid per lb.	Do. ..	
39	Butter ..	Contained not less than 21 per cent. of water	Do. ..	Cautioned by letter by Town Clerk
55	Butter ..	Contained not less than 26 per cent. of water	Summoned	Fined £1 and costs
72	Milk ..	Contained 2·3 per cent. added water	None ..	Cautioned by letter by Town Clerk
*73	Scald Milk	2·18 grains of Boric Acid per pint	Do. ..	
*79	Scald Milk	5·5 grains of Boric Acid per pint	Do. ..	
80	Milk ..	Contained 16 per cent. addcd water	Do. ..	Sample had just been delivered
83	Scald Milk	6·5 grains Boric Acid per pint	Summoned	Fined all expenses
96	Sausages ..	4 grains Boric Acid per lb.	None ..	Cautioned by Town Clerk
97	Olive Oil ..	60 per cent. of Cotton Seed Oil	Summoned	Fined 10/- and costs
†106	Butter ..	Contained 12 per cent. added water	None ..	Protected by label
142	Brandy ..	Extraneous alcoholic spirit to the extent of 95 per cent. or more	Do. ..	Cautioned by letter by Town Clerk as to insufficiency of notice

* Test Samples. † From Pearks, Ltd.

Standard for Butter, 16 per cent. of Water.

MIDWIVES' ACT.

Seventeen Midwives have been certified by the Central Midwives' Board, 14 of whom have given notice of their intention to practise within the district. The other 3 are engaged in general nursing, and do not practise, though certified as Midwives : 8 out of the 14 practising in Exeter are trained Midwives, the remaining 6 being certified as Midwives, having been in practice prior to 1901. During the past year 15 still-births have been certified to me by Midwives, and on three occasions has medical assistance been called for. I have visited and examined the homes, persons, case books, and bags of all those practising in Exeter, and find them to be all satisfactory.

FACTORY AND WORKSHOPS ACT.

We have not been able to do so much work under this Act during the past year as I should wish ; we have on our Registers 57 Factories, 396 Workshops, and 493 Outworkers.

Factory and
Workshops
Act.

TABLE

Showing Number of Workshops and Inspections made under
Factory and Workshops Acts:—

WORKSHOPS, ETC.	No. on Register	No. of Visits	WORKSHOPS, ETC.	No. on Register	No. of Visits
Bakers ..	63	130	Brought Forward	228	305
Basket Makers ..	2	2	Ladder Makers ..	1	1
Bedding Manufacturers ..	1	1	Laundries ..	12	12
Blind Makers ..	1	1	Lace Manufacturers ..	1	1
Boot Makers ..	6	12	Leather Merchants ..	3	3
Bookbinders ..	4	4	Mangling ..	1	1
Brush Makers ..	3	3	Milliners ..	26	26
Brass Finishers ..	1	1	Modellers ..	1	1
Builders ..	32	36	Organ Makers ..	1	1
Cabinet Makers ..	14	14	Plumbers & Gas Fitters	22	22
Cheese Factors ..	1	1	Picture Frame Makers ..	6	6
Coach Makers ..	6	6	Rope Makers ..	1	1
Confectioners ..	3	3	Rag Stores ..	3	3
Coopers ..	1	1	Saddlers ..	6	6
Corset Makers ..	1	1	Scale Makers ..	1	1
Cycle Repairers ..	9	9	Smiths ..	3	3
Decorators ..	3	3	Stained Glass Window Makers ..	2	2
Dressmakers ..	63	63	Shoeing Forges ..	2	2
Drug Manufacturers ..	2	2	Shirt & Collar Makers ..	1	1
Embroidery Makers ..	1	1	Sculptors ..	6	6
Engravers ..	3	3	Tailors ..	48	50
Fancy Box Makers ..	1	1	Tarpaulin Makers ..	1	1
Fish Packing ..	1	1	Tinsmiths ..	2	2
Flag and Fête Contractors ..	1	1	Tea Factors ..	1	1
Glove Cleaners ..	1	1	Umbrella Repairers ..	2	2
Hat Makers ..	1	1	Upholsterers ..	11	11
Ironmongers ..	3	3	Wheelwrights ..	4	4
Carried Forward	228	305	Grand Total	396	475

TABLE

Showing Number of Factories and Inspections made under
the Factory and Workshops Acts during 1905 :—

FACTORIES	No. on Register	No. of Visits	FACTORIES.	No. on Register	No. of Visits
Aërated Water Makers..	4	4	Brought Forward	25	25
Baryta Manufacturer ..	1	1	Ice Manufacturer	..	1
Builders ..	4	4	Ironmongers	..	2
Brewers ..	2	2	Laundries ..	..	3
Brush Maker	1	1	Paper Mills..	..	2
Blouse Manufacturer ..	1	1	Printers ..	..	14
Boot Maker	1	1	Plumber ..	..	1
Cabinet Maker	1	1	Rag Sorter ..	..	1
Cutler ..	1	1	Saw Mills ..	..	1
Collar Manufacturer ..	1	1	Tobacco Factor	..	1
Coach Builder	1	1	Tailor ..	..	1
Cycle Repairer	1	1	Wood Carvers	..	2
Engineers ..	4	4	Wood Turning	..	1
Flour Mills..	2	2	Wheelwrights	..	2
Carried Forward	25	25	Grand Total	57	57

FACTORIES, WORKSHOPS, LAUNDRIES, WORKPLACES,
AND HOMEWORK.

The following Report is made in accordance with the requirements of the Home Office, to whom a copy of this Report has been sent:—

1.—INSPECTION.

INCLUDING INSPECTIONS MADE BY SANITARY INSPECTORS OR INSPECTORS OF NUISANCES.

Premises.	Number of		
	Inspections.	Written Notices.	Prosecutions.
Factories (Including Factory Laundries)	57	4	
Workshops (including Workshop Laundries)	475	59	
Workplaces	18	3	
Homeworkers' Premises ..	88	6	
Total	638	72	

2.—DEFECTS FOUND.

Particulars.	Number of Defects.			Number of Prosecutions.
	Found.	Reme-died.	Referred to H.M. Inspector	
NUISANCES UNDER THE PUBLIC HEALTH ACTS:—				
Want of Cleanliness	3	3		
Want of Ventilation				
Overcrowding				
Want of Drainage of floors				
Other nuisances	1	1		
Sanitary accom-modations	5	5		
} insufficient	2	2		
	1	1		
OFFENCES UNDER THE FACTORY AND WORKSHOP ACT:—				
Illegal occupation of underground bake-house (S. 101)				
Breach of special sanitary requirements for bakehouses (SS. 97 to 100)	1	1		
Failure as regard lists of outworkers (S. 107)	47	47		
Giving out work to be done in premises } unwholesome (S. 108) ..	2	2		
which are } infected (S. 110)				
Allowing wearing apparel to be made in premises infected by scarlet fever or smallpox (S. 109)				
Other offences				
Total	61	61		

3.—OTHER MATTERS.

Class.						Number.
MATTERS NOTIFIED TO H.M. INSPECTORS OF FACTORIES :—						
Failure to affix Abstract of the Factory and Workshop Act (S. 133)	..	..	..	..	..
Action taken in matters referred by H M. Inspectors as remediable under the Public Health Acts, but not under the Factory Act (S. 5)	Notified by H.M. Inspector	..	..	..	..	5
	Report of (action taken) sent to H.M. Inspectors.	..	..	..	..	5
Other	..	..	..	..	..
UNDERGROUND BAKEHOUSES (S. 101) :—						
In use during 1903	..	..	..	..	..	7
Certificates granted	in 1903	..	..	..	..
	in 1904	..	..	..	..	5
In use at the end of 1905	..	..	..	..	..	5
HOMEWORK. LISTS OF OUTWORKERS (S. 107) :—						
Lists received	..	..	..	..	..
Addresses of Outworkers	forwarded to other Authorities	..	..	..	..	4
	received from other Authorities	..	..	..	..	15
HOMEWORK IN UNWHOLESOME OR INFECTED PREMISES :—						
Notices prohibiting homework in unwholesome premises (S. 108)	..	..	..	..	..	2
Cases of infectious disease notified in homeworkers' premises						
Orders prohibiting homework in infected premises (S. 110)						
WORKSHOPS ON THE REGISTER (S. 131) AT THE END OF 1904 :—						
I m p o r t a n t classes of work- shops, such as bakehouses, may be enu- merated here.	Bakehouses	..	..	..	..	63
	Dressmakers	..	..	..	..	63
	Tailors	..	..	..	..	48
	Laundress	..	..	..	..	12
	Plumber and Gas Fitter	..	..	..	..	22
	Upholsterers	..	..	..	..	11
	All others	..	..	..	..	177
Total number of workshops on Register						396

MAGISTERIAL PROCEEDINGS

Respecting various cases brought before the Justices
during the Year 1905.

No.	Nature of Offence.	Date of Hearing.	Result.
1	Selling Sausages mixed with Boric Acid to the extent of not less than 60 grains per lb.	January 13th	Fined 5/- and costs, £3 3s.
2	Exposing for sale for the food of man the Carcase of a Steer which was unwholesome and unfit for such food.	March 24th	Fined 10/- and costs.
3	Exposing for sale for the food of man 15 Crabs which were unwholesome and unfit for such food.	June 23rd	14 days' hard labour.
4	Selling Butter containing an excessive quantity of water to the extent of 10 per cent.	June 30th	Fined £1 and costs.
5	Unlawfully exposing three children in a public place while suffering from Scarlet Fever.	September 29th	Mother fined 12/6 inclusive
6	Selling Scald Milk mixed with an injurious article, to wit, Boric Acid.	September 29th	Expenses of all witnesses and all costs.
7	Exposing for sale for the food of man 2 Crabs, 39 Bloaters and Kippers, and 48 Flat Fish and Whiting, the same being unfit for such food.	September 29th	1 month hard labour.
8	Exposing for sale for the food of man the Carcasses of 2 Sheep which were unwholesome and unfit for such food.	November 3rd	Fined 10/- and costs.
9	Exposing for sale for the food of man a piece of Neck of Veal which was unwholesome and unfit for such food.	November 3rd	Fined £10 and costs.
10	Selling Olive Oil Adulterated with at least 60 per cent. of Cotton Seed Oil.	November 24th	Fined 10/- and costs.

METEOROLOGICAL READINGS FOR THE YEAR 1905.

VITAL STATISTICS, SANITARY WORK, &C.

59

MONTH.	Thermometers in Shade		MEANS OF Thermometers		MEANS OF Thermometers in Shade.		TOTAL OF Rain in inches		Number of Wet Days. *	REMARKS.
	Highest Reading.		Dry Bulb.	Wet Bulb.	Maxi- mum.	Mini- mum.	45·5	36·6		
	Lowest Reading.		41·6	39·8	41·7	49·1	38·7	1·37		
January	30·227	54·5	24·5	44·8	43·4	41·7	38·7	10	
February	30·175	56·5	28·0	48·3	45·5	42·4	53·1	39·9	4·06
March	29·542	59·0	28·5	50·5	47·7	44·7	55·3	42·9	3·01
April	29·806	61·5	35·0	57·4	52·3	47·8	63·2	45·6	14
May	30·076	72·0	38·5	62·4	58·8	55·0	68·2	53·9	3·2
June	29·930	80·5	45·5	69·0	64·5	60·9	74·4	56·4	0·31
July	30·072	82·0	48·5	62·8	58·0	55·3	68·6	51·5	15
August	29·872	76·0	45·0	58·8	55·8	53·3	63·5	49·8	3·93
September	29·943	71·5	40·0	49·2	47·2	45·0	53·9	41·4	1·07
October	30·030	62·5	28·5	42·7	41·9	36·4	47·3	35·9	1·79
November	29·646	54·0	26·0	41·9	36·4	35·9	35·9	3·98	21
December	30·161	57·0	30·0	43·6	42·8	41·9	46·9	39·5	0·74
										11

Giving a total rainfall for 1905 of 27·83 inches, and the total number of wet days 150. A Fall of ·01 inches constitutes a wet day.

TABLE

Showing the Rain Fall in Exeter for 10 years and number
of wet days.

Year.	Gross Rain fall.	No. of Wet Days.	
1896	22·63	153	Average rain fall for the 10 years, 30·87 inches.
1897	34·14	187	
1898	26·75	161	
1899	38·10	165	Average number of wet days in the 10 years, 174.
1900	31·16	192	
1901	30·64	175	
1902	27·88	174	1905.
1903	38·41	191	Rain in inches, 27·83.
1904	31·32	165	Number of Wet Days, 150.
1905	27·83	150	

SUMMARY OF TABLES.

TABLE I.

TABLE II.

TABLE IIIA.

TABLE IIIB.

Vital Statistics of the whole district for the year 1905 and the 10 previous years.

Shows Vital Statistics of various Wards in the City.

Cases of infectious diseases notified during the year, and of those removed to the Sanatorium.

Showing monthly returns of the number of cases of infectious diseases notified.

TABLE IV.

TABLE V.

TABLE VI.

TABLE VII.

Causes of, and ages at death, during the year 1905.

Showing the number of deaths from all causes including residents of Exeter who died at the Sanatorium and City Asylum classified under the various groups of diseases.

Showing the ages of deaths registered from all causes under each group of diseases, including residents of Exeter who died at the Sanatorium and City Asylum.

Showing ages and deaths registered from all causes, including residents of Exeter who died at the Sanatorium and City Asylum.

The Weekly Notifications during the Year are shown on Chart 1, the Weekly Mortality on Chart 2, and the Localities in which Fatal Cases have occurred are indicated on the accompanying Map of the City.

TABLE I.
VITAL STATISTICS OF WHOLE DISTRICT DURING 1905 AND PREVIOUS YEARS.

Year.	Population estimated to Middle of each Year.	Births.		Total Deaths Registered in the District.			Nett Deaths at all Ages belonging to the District.					
		Number.	Rate *	Under 1 Year of Age.	Rate per 1,000 Births registered	At all Ages.	Deaths in Non-Residents registered in Public Institutions beyond the District.	Deaths of Residents registered in Public Institutions*	Deaths of Residents registered in Public Institutions*	Number.	Rate.*	
1	2	3	4	5	6	7	8	9	10	11	12	13
1895	37,647	943	24.81	138	146	714	18.9	112	49	2	667	17.7
1896	37,657	975	25.65	167	164	708	18.8	109	54	2	656	17.4
1897	37,672	906	23.84	150	165	751	19.1	115	54	2	699	18.5
1898	37,687	868	22.84	139	160	647	17.1	101	52	3	549	14.5
1899	37,702	843	22.19	153	181	772	20.4	108	45	14	741	19.6
1900	37,717	831	21.9	115	138	738	19.3	117	50	10	691	18.3
1901	47,185	1085	23.1	169	155	830	17.6	134	48	7	789	16.7
1902	47,300	1021	21.3	171	167	834	17.7	126	55	13	779	16.5
1903	47,400	1071	22.6	141	131	770	16.2	131	48	5	727	15.3
1904	47,600	1115	23.4	186	166	828	17.4	145	55	27	800	16.8
Averages for years 1895—1904.		965.8	23.163	152.9	157.3	759	18.25	119.8	51	8.5	709.81	17.13
1905	47,800	1060	22.2	132	124.5	723	15.1	124	56	20	687	14.4

* Rates in Column 4, 8, and 13 calculated per 1000 of estimated population.

Note.—The deaths included in Column 7 of this Table are the whole of those registered during the year as having actually occurred within the district. The deaths included in Column 12 are the number in Column 7, corrected by the subtraction of the number in Column 10 and the addition of the number in Column 11. By the term "Non-residents" is meant persons brought into the district on account of sickness or infirmity, and dying in public institutions there; and "Residents" is meant persons who have been taken out of the district on account of sickness or infirmity, and have died in public institutions elsewhere.

The "Public Institutions" taken into account for the purposes of these Tables are the Royal Devon and Exeter Hospital, the City and St. Thomas Workhouses, Eye Infirmary, the Exeter Sanatorium, the year also includes deaths of Residents at the City Asylum.

Note.—In the above Table it must be noticed that before the Year 1900 the Population of Exeter was 37,717. Since 1900, when St. Thomas was annexed, the Population was increased to 47,186.

Area of District in acres exclusive of area covered by water, 3,168.
Total population at all ages, 47,185.
Number of inhabited houses, 10,322.
Average number of persons per house, 4.5.

At Census of 1901.

TABLE II.
VITAL STATISTICS OF SEPARATE LOCALITIES IN 1905.

TABLE II.—Continued.

VITAL STATISTICS OF SEPARATE LOCALITIES IN 1905.

NAME OF LOCALITIES.	YEAR.	8. ST. JAMES' WARD.				9. ST. JOHN'S WARD.				10. ST. LEONARD'S WARD.				11. ST. MATTHEW'S WARD.				12. ST. PAUL'S WARD.				13. ST. PETROCK'S WARD.				14. SIDWELL'S WARD.				15. ST. THOMAS' WARD.			
		a.	b.	c.	d.	a.	b.	c.	d.	a.	b.	c.	d.	a.	b.	c.	d.	a.	b.	c.	d.	a.	b.	c.	d.	a.	b.	c.	d.				
	1895	..	..	..	..																								
	1896	..	..	..	..																								
	1897	..	..	..	..																								
	1898	..	..	..	..																								
	1899	..	..	..	..																								
	1900	..	..	..	..																								
	1901	..	..	..	..																								
	1902	..	..	..	..																								
	1903	..	..	..	..																								
	1904	..	..	..	..																								
Averages of Years { 1895 to 1904.		4047	57	9	3911	74	29	3072	35	4	3544	95	11	3452	51	14	2943	50	7	3921	61	13	2947	43	5								

Note:—The City Workhouse is in this Ward.

Note.—In the above Table it must be noticed that before the year 1900 the population of Exeter was 37,717. Since 1900, when St. Thomas was annexed, the population was increased to 47,185.

TABLE IIIA.
Cases of Infectious Disease notified during the Year 1905.

NOTIFIABLE DISEASE.	Cases notified in Whole District.					No. of Cases removed to Hospital from Whole District.									
	At Ages—Years.					At Ages—Years.									
	At all Ages.	Under 1.	1 to 5.	5 to 15.	15 to 25.	25 to 65.	65 & upwards.	At all Ages.	Under 1.	1 to 5.	5 to 15.	15 to 25.	25 to 65.	65 and upwards.	
Small-pox	3							3							
Cholera	14		9	4	1	1	2								
Diphtheria	..														
Membranous croup	19	1	1	3	3	10	1								
Erysipelas	70	14	37	16	3	9									
Scarlet fever	..														
Typhus fever	20			7	4	9									
Enteric fever	..														
Relapsing fever	..														
Continued fever	1			1	2	2									
Puerperal fever	4														
Plague	..														
Chicken Pox	39	1	19	19											
Measles	..														
Totals	..	170	2	43	71	27	26	1	74			17	31	19	7

Isolation Hospital—Exeter Sanatorium, situate in Whipton, within the Parish of Pinhoe, about two miles from Exeter.

Note:—Six cases of Diphtheria notified the second time. One case of Scarlet Fever notified the second time.

TABLE III.B.

Monthly Returns of the Number of Notifications of Infectious Disease reported to the Medical Officer of Health during the Year 1905.

Month.	DISEASE NOTIFIED.										
	Small Pox.	Cholera.	Diphtheria.	Memb. Croup.	Erysipelas.	Scarlet Fever.	Typhoid.	Typhus.	Puerperal.	Chicken Pox.	Continued Fever.
January ...	—	—	—	—	3	—	4	—	1	5	—
February ...	—	—	4	—	—	5	1	—	—	1	—
March ...	—	—	1	—	3	3	—	—	—	10	—
April ...	—	—	3	—	2	11	—	—	—	3	—
May ...	—	—	1	—	1	5	—	—	1	1	—
June ...	—	—	—	—	1	4	1	—	—	1	—
July ...	—	—	—	—	3	7	1	—	—	4	1
August ...	—	—	4	—	1	8	1	—	—	2	—
September	3	—	1	—	—	3	5	—	—	3	—
October ...	—	—	—	—	3	8	2	—	1	1	—
November	—	—	1	—	2	13	4	—	1	4	—
December	—	—	—	—	1	4	1	—	—	4	—
Total Notifications	3	—	15	—	20	71	20	—	4	39	1
Notified second time	—	—	1	—	1	1	—	—	—	—	—
Actual number of cases	3	—	14	—	19	70	20	—	4	39	1

TABLE IV.
Causes of, and Ages at Death during Year 1905.

Causes of Death.	Deaths in whole District at subjoined Ages.						Total Deaths whether Residents or Non Residents, in Public Institutions in the District						
	All ages.	Under 1.	1 and under 5.	5 and under 15.	15 and under 25.	25 and under 65.	65 and upwards.	All ages.	Under 1.	1 and under 5.	5 and under 15.	15 and under 25.	25 and under 65.	65 and upwards.
Small-pox ..													
Measles ..	9	3	6										
Scarlet fever ..	1				1								
Whooping- cough ..	2	1	1										
Diphtheria and membranous croup ..	3		3					1		1			
Croup ..													
Fever { Typhus	3												
{ Enteric													
Other contin'd													
Epidemic influenza ..	10		1			5	4	1					1
Cholera ..													
Plague ..													
Diarrhoea ..	12	9	1			1	1						
Enteritis ..	8	5					3						
Puerperal fever ..	1					1							
Erysipelas ..													
Other septic diseases ..	2					1	1	2			1	1	2
Phthisis ..	48			1	14	29	4	4					
Other tubercu- lar diseases ..	30	2	3	7	9	9		13		2	6	5	
Cancer, malig- nant disease ..	44					26	18	9				7	2
Bronchitis ..	72	18	3		1	17	33	4				1	3
Pneumonia ..	39	9	13	1	1	9	6	5	2	1		1	1
Pleurisy ..	3					3							
Other diseases of Respiratory organs ..	3				1	1	1						
Alcoholism ..													
Cirrhosis of liver ..	9						7	2	8			6	2
Veneral diseases ..	5	2		2				1					
Premature birth ..	19	19											
Diseases and accidents of parturition ..	3					3							
Heart diseases ..	62	1			3	27	31	5			1	4	
Accidents ..	25	3	2	2	1	12	5	6		1		4	1
Suicides ..	6					5	1	1					1
All other causes ..	324	60	10	8	10	86	150	65	4	2	6	23	30
All causes ..	743	132	45	20	43	244	259	124	6	3	4	15	54
													42

By agreement with the Registrar General, $\frac{5}{7}$ of the deaths which occurred in the Royal Devon and Exeter Hospital are deducted for Non-Residents. The total deaths in that Institution were 78.

To the 124 Deaths Registered as occurring in Public Institutions in the District must be added 20 Deaths for Residents of Exeter who died in Public Institutions beyond the District.

TABLE V.

Showing the Number of Deaths from all Causes, including Residents of Exeter who died at the Sanatorium and City Asylum.

					No of Deaths.
I.—SPECIFIC FEBRILE, OR ZYMOtic DISEASES—					
1.	Miasmatic Diseases	..	..	..	18
2.	Diarrhoeal	„	..	..	12
3.	Malarial	„	..	..	—
4.	Zoogenous	„	..	..	—
5.	Venereal	„	..	..	5
6.	Septic	„	..	..	3
II.—PARASITIC DISEASES					
		—
III.—DIETIC DISEASES					
		—
IV.—CONSTITUTIONAL DISEASES					
		..	..	..	139
V.—DEVELOPMENTAL DISEASES					
		..	..	..	104
VI.—LOCAL DISEASES					
1.	Diseases of Nervous System	..	..	..	61
2.	Diseases of Organs of Special Sense	..	..	..	2
3.	Diseases of Circulatory System	..	..	..	71
4.	Diseases of Respiratory System	..	..	..	136
5.	Diseases of Digestive System	..	..	..	62
6.	Diseases of Lymphatic System	..	..	..	—
7.	Diseases of Gland-like Organs of Uncertain Use	..	..	..	2
8.	Diseases of Urinary System	..	..	..	35
9.	Diseases of Reproductive System	..	..	..	—
(a.)	Diseases of Organs of Generation	..	..	..	1
(b.)	Diseases of Parturition	..	..	..	3
10.	Diseases of Bones and Joints	..	..	..	8
11.	Diseases of Integumentary System	..	..	..	1
VII.—VIOLENCE.					
1.	Accident or Negligence	..	..	..	25
2.	Homicide	..	..	..	—
3.	Suicide	..	..	..	6
4.	Execution	..	..	..	—
VIII.—ILL-DEFINED AND NOT SPECIFIED CAUSES					
		..	..	..	49
Total					
		..	..	..	743

TABLE VI.

Showing Ages of Deaths Registered from all Causes during the
Year 1905, including Residents of Exeter who died at the
Sanatorium and City Asylum.

		AGES.												
		0 to 1 1 5 5	1 to 5 15 25	5 to 15 25 35	15 to 35 45	25 to 45 55	35 to 55 65	45 to 65 75	55 to 75 85	65 to 75 85	75 to 85 95 upwards	Totals		
I.	Specific Febrile, or Zymotic Diseases ..	15	13	3	2	1	1	1	2		38	55 to 60		
II.	Parasitic Diseases ..													
III.	Dietic Diseases ..													
IV.	Constitutional Diseases ..	4	4	8	23	15	16	19	10	25	5	139	10	
V.	Developmental Diseases ..	19							1	8	56	20	104	
VI.	Local Diseases ..	56	26	8	14	19	29	45	23	82	45	6	382	29
VII.	Deaths from Violence ..	3	2	2	1	1	8	7		1	5		31	1
VIII.	Deaths from Ill-Defined and not Specified Causes ..	35	2	2	2		2	1	4			49	1	
	Totals ..	132	45	20	43	39	54	74	36	120	113	26	743	41

TABLE VII.

Showing the Deaths registered from all causes during the Year 1905.
NOTE.—The Deaths of Residents occurring in Sanatorium situated
beyond the limits of the District are included.

TABLE VII.—Continued.

TABLE VII.—Continued.

	AGES.													
	0	1	5	15	25	35	45	55	65	75	85	Upwards	Totals. to 55	Totals. to 60
	to	to	to	to	to	to	to	to	to	to	to	85		
	1	5	15	25	35	45	55	65	75	85				
<i>2.—Diseases of Organs of Special Sense</i> (e.g., of Ear, Eye, Nose)														
	1	.....	1	.....	.....	.....	.....	.....	.....	.....	.....	2	..	
	1	.....	1	.....	.....	.....	.....	.....	.....	.....	.....	2	..	
<i>3.—Diseases of Circulatory System.</i>														
Pericarditis ..	..	..	..	..	..	..	..	..	..	..	..	..	..
Acute Endocarditis ..	..	..	..	..	..	1	1	..	..	..	..	2	..	
Valvular Diseases of Heart ..	..	..	..	..	1	2	4	2	4	3	..	17	1	
Other Diseases of Heart ...	..	1	..	3	2	4	4	3	14	10	..	45	4	
Aneurism ..	..	..	..	..	..	..	1	..	1	..	..	2	..	
Embolism, Thrombosis ..	..	..	..	..	1	..	2	..	1	..	..	4	..	
Other Diseases of Blood Vessels ..	..	..	..	..	..	..	..	..	..	1	..	1	..	
	1	.....	3	4	7	10	7	19	15	..	71	5		
<i>4.—Diseases Respiratory System.</i>														
Laryngitis ..	..	..	..	..	1	..	..	..	..	..	..	1	..	
Croup ..	..	..	..	..	..	..	..	..	..	..	..	..	..
Emphysema, Asthma ..	..	..	..	..	..	..	1	1	4	1	..	8	1	
Bronchitis ..	..	..	18	3	..	1	1	..	7	5	22	8	3	72
Pneumonia ..	..	..	..	9	13	1	1	..	4	2	..	4	1	39
Pleurisy ..	..	..	..	..	..	1	2	..	..	..	..	..	3	..
Other Diseases of Respiratory System ..	..	..	..	1	1	1	1	..	..	..	..	..	3	..
Influenza ..	..	..	..	..	1	..	2	..	1	2	1	3	..	10
	27	18	2	3	5	6	11	8	31	13	4	136	8	
<i>5.—Diseases of Digestive System.</i>														
Dentition ..	..	..	..	2	..	..	..	..	..	..	..	..	2	..
Sore Throat, Quinsy ..	..	..	..	1	..	..	1	..	..	..	..	..	2	..
Diseases of Stomach ..	..	..	7	2	..	..	1	..	..	3	..	..	13	..
Enteritis ..	..	..	..	5	..	..	..	..	..	2	1	..	8	..
Obstructive Diseases of Intestine ..	..	..	..	1	1	1	..	1	1	3	3	1	12	..
Peritonitis ..	..	..	..	1	1	..	..	..	..	..	..	..	2	..
Ascites ..	..	..	..	..	..	..	..	..	..	..	..	..	..
Cirrhosis of Liver ..	..	..	..	..	..	..	1	4	1	2	..	..	9	1
Jaundice and other Diseases of Liver ..	..	..	..	..	..	1	1	..	..	1	..	..	5	2
Other Diseases of Digestive System ..	..	1	..	..	2	2	..	1	1	1	..	1	9	..
	15	3	2	4	3	4	7	3	11	5	2	62	3	
<i>6.—Diseases of Lymphatic System.</i> (e.g., of Lymphatics and of Spleen) ..	..	..	..	..	..	..	..	..	..	..	..	..	..
	
<i>7.—Diseases of Gland-like Organs of Uncertain Use</i> (e.g., Bronchocele, Addison's Disease) ..	..	..	..	..	..	..	1	..	..	1	..	2	..	
	..	..	..	..	..	..	1	..	..	1	..	2	..	

TABLE VII.—Continued.

	AGES.											
	0	1	5	5	25	35	45	55	65	75	upwards	Totals to 55
	to 1	to 5	to 15	to 25	to 35	to 45	to 55	to 65	to 75	to 85	85	Totals to 60
8.— <i>Diseases of Urinary System.</i>												
Nephritis .. ..	..	..	1	1	1	3	1	1	2	1	..	13 2
Bright's Disease, Albuminuria .. .. .. ..	..	..	..	..	..	1	3	..	..	1	..	6 1
Disease of Bladder or of Prostate .. .. .. ..	..	..	..	..	..	..	1	..	2	..	..	4 1
Other Diseases of the Urinary System .. .. .. ..	..	..	..	..	1	1	2	3	..	3	..	12 2
	..	..	1	2	2	6	8	1	7	2	..	35 6
9.— <i>Diseases of Reproductive System.</i>												
(A). Of Organs of Generation.												
Male Organs .. ..	..	..	..	..	..	..	..	..	..	..	..	..
Female Organs .. ..	..	..	1	..	..	..	..	..	..	..	1	..
(B). Of Parturition.												
Abortion, Miscarriage .. ..	..	..	..	..	..	1	..	..	..	..	..	1 ..
Puerperal Convulsions .. ..	..	..	..	..	..	..	..	..	..	..	..	..
Placenta prævia. Flooding..	..	..	..	..	..	..	..	..	..	..	..	..
Other Accidents of Child Birth .. ..	..	..	..	..	1	1	..	..	..	..	2	..
	..	..	..	..	1	2	..	..	..	..	3	..
10.— <i>Diseases of Bones and Joints.</i>												
Caries, Necrosis.. ..	..	1	..	1	..	2	..	1	..	..	5	..
Arthritis, Ostitis, Periostitis .. ..	..	..	..	..	1	..	..	1	..	..	3	1
Other Diseases of Bones and Joints .. ..	..	..	..	..	..	..	..	..	..	..	..	..
	1	..	1	..	1	2	..	..	2	..	8	1
11.— <i>Diseases of Integumentary System.</i>												
Carbuncle, Phlegmon .. ..	..	..	..	..	..	..	..	..	..	..	..	..
Other Diseases of Integumentary System .. ..	..	..	1	..	..	..	..	..	..	..	1	..
	1	..	..	..	..	..	..	..	..	..	1	..
VII.—DEATHS FROM VIOLENCE.												
1.— <i>Accident or Negligence.</i>												
Fractures and Contusions .. ..	..	..	1	..	..	1	3	2	..	1	1	9 ..
Gunshot Wounds .. ..	..	..	..	..	..	..	..	..	..	..	..	..
Cut, Stab .. ..	..	..	..	..	..	..	..	..	..	..	..	..
Burn, Scald .. ..	..	..	..	..	..	..	1	..	..	1	..	2 ..
Poison .. ..	..	..	..	..	..	1	..	..	1	..	1	..
Drowning .. ..	..	..	..	..	..	1	..	2	..	..	1	..
Suffocation .. ..	..	..	..	..	3	..	..	..	..	..	3	..
Otherwise .. ..	..	..	..	..	1	1	..	1	..	..	3	..
	3	2	2	1	1	6	4	..	1	4	..	25 1

TABLE VII.—Continued.

	AGES.											55 to 60
	0	1	5	15	25	35	45	55	65	75	85 upwards	
	to	to	to	to	to	to	to	to	to	to	Totals	
	1	5	15	25	35	45	55	65	75	85	85 upwards	
2.— <i>Homicide.</i>												
Manslaughter	..	..	..	..	..	..	..	..	..	..	..	..
Murder	..	..	..	..	..	..	..	..	..	..	..	..
3.— <i>Suicide.</i>												
Gunshot Wounds	..	..	..	..	..	..	..	..	..	..	..	..
Cut, Stab	..	..	..	..	..	..	1	..	..	..	1	..
Poison	..	..	..	..	..	..	1	..	..	..	1	..
Drowning	..	..	..	..	..	1	1	..	..	1	..	3
Hanging	..	..	..	..	..	1	..	..	..	..	1	..
Otherwise	..	..	..	..	..	..	..	..	..	..	..	..
							2	3	1		6	
4.— <i>Execution.</i>												
Hanging	..	..	..	..	..	..	..	..	..	..	..	..
VIII.—DEATHS FROM ILL-DEFINED AND NOT SPECIFIED CAUSES.												
Dropsy	..	..	..	..	..	..	..	..	..	..	..	..
Debility, Atrophy, Inanition	..	34	..	..	..	..	1	..	..	..	35	..
Mortification	..	..	..	..	..	..	..	..	4	..	4	..
Tumour	..	..	..	2	..	2	..	1	..	..	5	..
Abscess	..	..	..	..	1	..	..	..	..	..	1	..
Hæmorrhage	..	..	..	..	..	..	..	..	..	..	1	1
Sudden Death (cause not ascertained)	..	..	..	..	..	..	..	..	..	..	..	..
Causes not Specified or Ill-defined	..	1	..	..	1	..	..	1	..	..	3	..
	35	..	2	2	2	..	2	1	4	..	49	1

Sanitary Inspector's Report.

GENTLEMEN,

I have again the honour of submitting for your consideration a Report on the work carried out by the Sanitary Inspectors for the year 1905.

As usual, the work has been of a much varied character, and great progress has been made in the improvement of the sanitation of the City.

The number of cases of infectious diseases notified to the Medical Officer has again been less than that of previous years, but the outbreak of Smallpox was a cause of great anxiety to the whole of the Staff, and necessitated a large amount of additional work, which was most willingly given by all concerned. I am pleased to note that the efforts to prevent the spread of this most dreaded disease was successful, and that we were able to confine it to 3 cases in one house.

The investigation of the cause of the cases of infectious disease must of necessity take up a considerable portion of the time of the Inspectors, but this is time well spent, as we are able to have a record of each case.

During the past year we have again received considerable assistance from the Clerk and Officers of the Education Committee, Masters and Mistresses of the various Schools, in the detection of cases of infectious disease.

PUBLIC ABATTOIR AND PRIVATE SLAUGHTERHOUSES.

The inspection of the Slaughterhouses in the City has again been carried out at all times, so that the occupiers may never know when an Inspector is going to drop in.

We have only 9 private Slaughter-houses within the City. All are kept in accordance with the Bye-laws. I am pleased to state that we have had no friction with the Owners or Occupiers in the supervision of these places, and that the Occupiers have on several occasions reported to me cases in which they desired to have the carcase of an animal inspected before offering the same for sale.

Mr. Tucker, the Caretaker at the Public Abattoir, has again given me most valuable services by at once reporting

any suspicious cases of disease in the carcases or internal organs that came under his notice.

The following figures will show the number of animals slaughtered at the Public Abattoir during the year 1905 :—

Bullocks	...	...	...	2,537
Calves	...	...	...	1,399
Sheep	...	...	...	6,508
Pigs	...	...	...	1,738
			Total	12,182

The fees earned being £247 17s. 0d.

The charges for the use of the premises for slaughtering are: Bullock, 1s.; Pig, 6d.; Calf, 4d.; and Sheep, 2d.

The value of Public Abattoirs in the detection of unsound food is very great, and I trust that the time will soon come when all meat intended for human food will have to be inspected before being offered for sale.

Fourteen carcases were seized at the Public Abattoir, and condemned as unfit for food; out of this number 8 were destroyed on account of generalised tuberculosis. In one case we had to prosecute a slaughterman for having in his possession diseased sheep which were intended for food.

DRAIN TESTING, AND IMPROVEMENT IN HOUSE DRAINAGE.

The same amount of care is given to this matter as in previous years, and a large number of drains have been tested with the smoke test. I find that intending occupiers of houses gladly avail themselves of the Council's Regulation, that with the consent of the Owner of the premises the drains will be inspected by an Officer of the Sanitary Department free of costs. In the majority of cases the Owners are quite willing to have this done, and to carry out any alterations that may be required.

The number of drains tested with the smoke test was 294.

All new drains are tested by the water test.

NEW BUILDINGS.

During the past year there has been great progress in the erection of New Buildings, and the development of Building Estates within the City.

The supervision of the erection of these buildings and the testing of the drains has taken up a very large amount of time. One Assistant has practically devoted his whole time to this work.

The drainage and sanitary fittings of 170 new houses were inspected last year, and 170 houses were certified to the City Surveyor as being in compliance with the deposited Plans and Bye-laws for New Buildings.

Before these certificates are issued the drains and fittings have been thoroughly tested with the water test, and when the whole of the work is completed and the premises fit for occupation, the drains and sanitary arrangements are tested by the smoke test.

The builders are giving more attention every year to the sanitary arrangements of the houses they are building.

UN SOUND MEAT, VEGETABLES.

Great attention has been paid to this portion of the work, and, generally speaking, the food supply of the City has been of the most satisfactory character.

In 5 cases it was found necessary to take legal proceedings for selling unsound food.



SUMMARY OF UNSOUND FOOD.

Summary of Unsound Food Seized and Proceedings taken
during the Year 1905 :—

No.	NATURE OF SEIZURE.	CAUSE OF SEIZURE.	RESULT.	PROCEEDINGS TAKEN AND RESULT.
1	Carcases of 2 Pigs	Unsound & Unwholesome	Condemned	Destroyed
a2	Carcase of a Sheep	Unwholesome	Condemned	Destroyed
3	A piece of Salt Beef	Unwholesome	Condemned	Destroyed
4	Portion of Leg of Beef, and Head, Liver, Heart and Lungs of a Bullock	Diseased	Condemned	Destroyed
a5	Carcase of a Cow	Generalised Tuberculosis	Condemned	Destroyed
6	Carcase of a Heifer	Diseased & Unwholesome	Condemned	Destroyed. Summoned. Fined 10/- and Costs.
a7	Carcase of a Bullock	Generalised Tuberculosis	Condemned	Destroyed
a8	Carcase of a Cow	Generalised Tuberculosis	Condemned	Destroyed
a9	Carcase of a Sheep	Unwholesome	Condemned	Destroyed
a10	Carcase of a Cow	Generalised Tuberculosis	Condemned	Destroyed
a11	Carcase of a Sheep	Black Quarter	Condemned	Destroyed
a12	Carcase of a Bull	Generalised Tuberculosis	Condemned	Destroyed
a13	Carcase of a Sheep	Diseased	Condemned	Destroyed
14	15 Crabs	Unwholesome	Condemned	Destroyed. Summoned. 14 days hard labour.
a15	Carcase of a Cow	Generalised Tuberculosis	Condemned	Destroyed
16	2 Crabs, 39 Bloaters and Kippers, 48 Flat Fish and Whiting ..	Unwholesome	Condemned	Destroyed. Summoned. 1 month hard labour.
17	Portions of 4 Sheep	Bruised		Destroyed by consent of Owner.
a18	Carcases of 2 Pigs	Generalised Tuberculosis	Condemned	Destroyed.
a19	Carcases of 2 Sheep	Emaciated & Diseased	Condemned	Destroyed. Summoned. Fined 10/- and Costs.
20	Piece of Neck of Veal	Unfit for Food	Condemned	Destroyed. Summoned. Fined £10 and Costs.
21	Carcase (Steer) Bullock	Generalised Tuberculosis	Condemned	Destroyed.
a22	Carcase of a Sheep	Unwholesome	Condemned	Destroyed.

a Killed and Seized at the Public Abattoir.

FOODS AND DRUGS ACTS.

One hundred and forty-four samples have been submitted for Analysis, of which 15 were returned as adulterated.

Prosecutions were taken in 3 cases.

The nature of the adulteration and fine imposed is set out on Page 52.

The average quality of the Milk supplied in the City is again above the standard required by the Board of Agriculture.

BAKEHOUSES.

We have 63 Bakehouses on our Register, five of which are underground, and certified. All have been inspected twice during the year, and the requirements of the Acts have been carried out.

DAIRIES AND COWSHEDS.

We have 79 Dairies and Cowsheds on our Register. All are kept in a cleanly state, and in accordance with the Regulations.

COMMON LODGING HOUSES.

The Common Lodging Houses are three in number, and are under the supervision of the Police. All are in compliance with the Model Bye-laws for Common Lodging Houses, and have been well conducted.

Two cases of infectious disease have been reported from these houses during the past year.

FACTORIES AND WORKSHOPS.

We have not been able to devote so much time as I should like to this portion of the work; 532 visits have been paid to the various Factories and Workshops, and 88 visits to the inspection of premises where home work is done.

HOUSING OF THE WORKING CLASSES.

Steady progress has been made during the past year in dealing with the Housing of the Working Classes.

The premises, No. 17, Preston Street, and Nos. 1 and 2, Rack Street, mentioned in my Report of last year, have been demolished, and a block of good sanitary dwellings are in the course of erection.

The five cottages in Johnson's Court, Coombe Street, have been demolished, and open spaces provided at the rear of the front houses in Coombe Street.

The back portion of Nos. 22 and 23, James Street, have been demolished, and an open space, with new sanitary conveniences, provided.

Two houses in Tabernacle Court, Coombe Street, have been closed by the Owners, and a large block of premises in this Court, which used to be let in tenements, have been converted into a Mission Room.

A large amount of work has been done in the way of repairs to dilapidated property.

LEGAL PROCEEDINGS.

The only legal proceedings necessary during the past year was for the sale of unsound food, adulteration, and one case of wilful exposure of children while suffering from scarlet fever. In no case was it necessary to take proceedings in a Court of Summary Jurisdiction for the abatement of nuisances or for breach of the Public Health Bye-laws.

In several instances considerable pressure had to be brought to bear upon occupiers and owners.

I append a Summary of work done in my Department during the year.

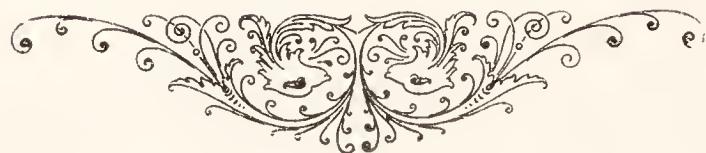
In conclusion I beg to thank the Council for the continuous support and consideration they have always extended to me in carrying out the duties of the office.

I am also indebted to the Medical Officer of Health, the Assistant Medical Officer of Health, and other officials, as well as the members of my own Staff, for their kind co-operation and valuable assistance.

I have the honour to be, Gentlemen,

Yours obediently,

W J. WREFORD.



R E P O R T

OF THE

SANITARY WORK COMPLETED IN THE YEAR 1905.

Complaints received during the Year .....	... 336
Houses, Rooms, and Works Inspected .....	... 7510
Re-Inspection of Houses and Rooms .....	.. 2503
Houses, Premises, &c., Cleaned, Repaired, and Limewashed	76
Passages Cleansed and Limewashed .....	... 14
Drains Repaired, Trapped, and Ventilated .....	... 36
Drains Relaid with Socketted Pipes, properly Trapped and Ventilated .....	... 99
Notices to Reconstruct Single Private Drains .....	... 40
Drains Tested with Smoke Machine .....	... 294
Drains Tested with Water Test .....	... 223

Water Closets Repaired	...	...	...	104
Flushing of Water Closets Improved	...	...	...	103
New Urinals to Licensed Premises	...	...	...	5
New Water Closets provided ...	...	...	...	29
Windows provided to Water Closets	...	...	...	33
Cisterns provided with Covers	...	...	...	5
New Scullery Sinks provided...	...	...	...	31
Removal of Accumulation of Dung, Stagnant Water, Animals and Refuse	...	...	...	39
Dung Pits Re-modelled	...	...	...	2
Court Yards and Floors Repaired and Re-paved in Cement Concrete	...	...	...	94
Soil Pipes Ventilated	...	...	...	21
Defective Bell and D Traps replaced by Stoneware Gullies	...	...	...	74
Waste Pipes discharged into Stoneware Gullies and Trapped				58
Slaughter Houses Cleansed and Limewashed twice ...				9
Notices for Abatement of Overcrowding ...			...	5
Visits to Slaughter Houses ...	...	...	...	318
Bakehouses Limewashed twice	...	...	...	63
Visits to Bakehouses	...	...	...	130
Notices under the Working Classes Act ...			...	4
Notices served for Drains to be opened up			...	6
Notices served for Defective Eaves, Gutters, and Rain-water Pipes	...	...	...	43

Notices served for Proper Supply of Water for Domestic Use ...	...	...	1
Notices requiring Water Closets to be Cleansed	...	...	95
Drains Unchoked ...	...	...	67
Gipsy Vans Removed	...	...	2
Rooms Disinfected after illness of an Infectious character	...	...	200
Articles of Clothing Disinfected	...	...	6102
Samples taken for Analysis ...	...	...	144
Inspection of Cowsheds	...	...	3
Inspection of Dairies and Milkshops	...	...	79
Visits to Schools to see that no Scholars from Infected Houses were attending	...	...	339
Notices of Infectious Sickness to Managers of Schools, existing in houses from which Scholars were attending	...	...	95
Notices to Education Authority	...	...	44
Notices to Librarian of Exeter Free Library	...	...	74
Orders for Destruction of Unsound Meat	...	...	21
Carcases Destroyed as Unfit for Food ...	...	...	19
Meat Destroyed (in lots) ...	...	...	3
Factory and Workshops Act :—			
Inspection of Workshops	...	...	475
Inspection of Factories	...	...	57

Inspection of Homeworkers' Premises	...	88
Inspection of Workplaces	...	18
Notices to Limewash...	...	12
Water Closets Re-constructed	...	1
Notices to provide additional Water Closets		3
Urinals provided	...	3
Notices to Abate Overcrowding...	...	5
Notices Requiring List of Outworkers to be sent in	...	47
Cases of Infectious Disease Notified in Home- workers' Premises	...	...
Allowing Wearing Apparel to be in Premises Infected by Scarlet Fever (cases removed)		
Notices sent to Employers of Infectious Disease at Home of Employees	...	...

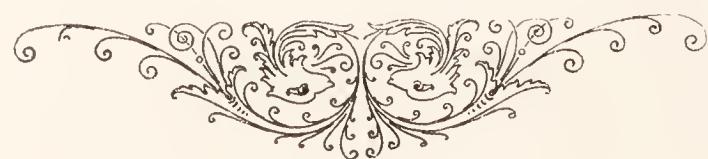


CHART 1 SHEWING WEEKLY NOTIFICATIONS
OF
SCARLET FEVER, DIPHTHERIA AND TYPHOID FEVER.

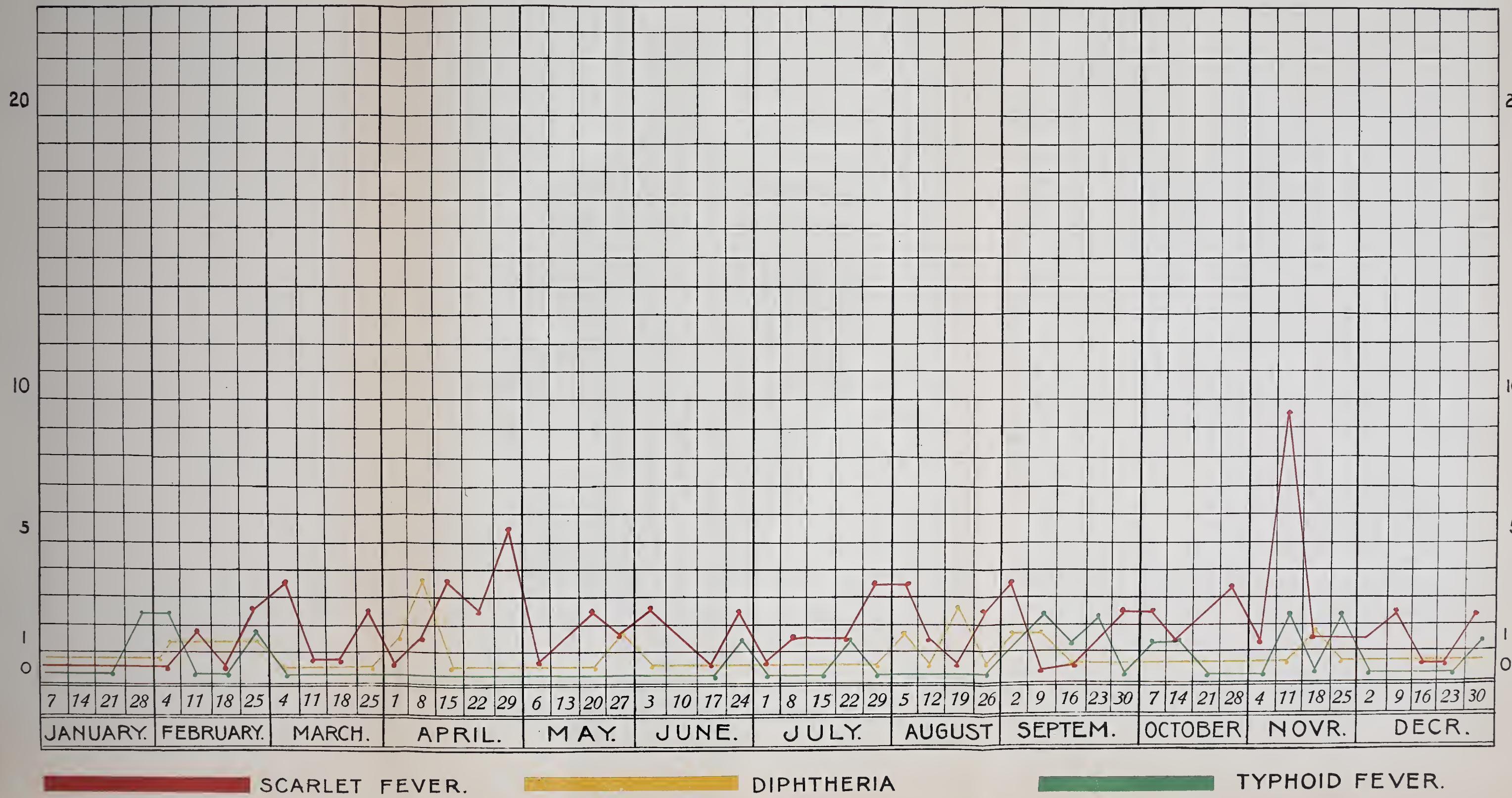
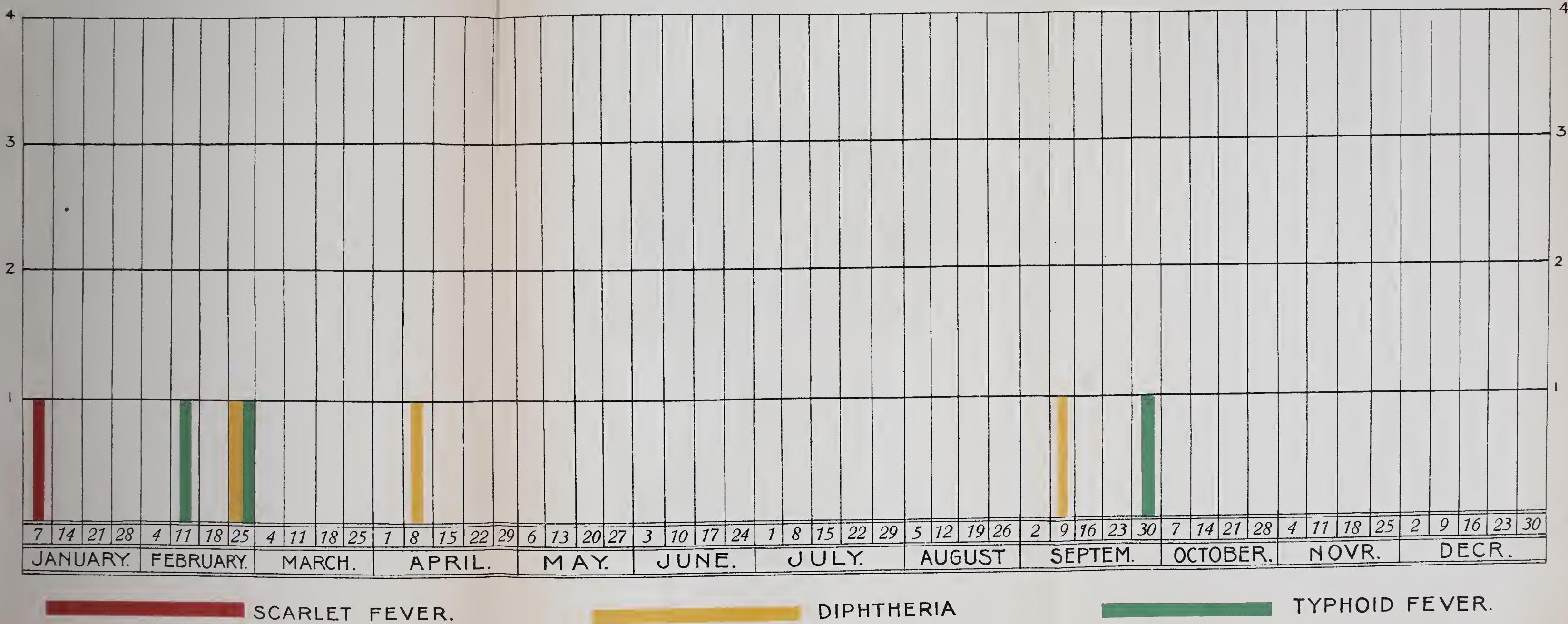


CHART 2 SHEWING WEEKLY MORTALITY
 FROM
 SCARLET FEVER, DIPHTHERIA AND TYPHOID FEVER.



CITY & COUNTY
OF THE
CITY OF EXETER.

SHOWING LOCALITIES WHERE FATAL CASES
HAVE OCCURRED FROM PRINCIPAL ZYMOtic
DISEASES DURING 1905

- Scarlet Fever —
- Diphtheria ▲
- Typhoid Fever ✕



SCALE.

0 1/4 1/2 3/4 1 mile

City Surveyor's Office.
18, Bedford Circus,
Exeter.

